



Ing. Büro H. Lertes GmbH & Co. KG

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Accessories price list 09.2026

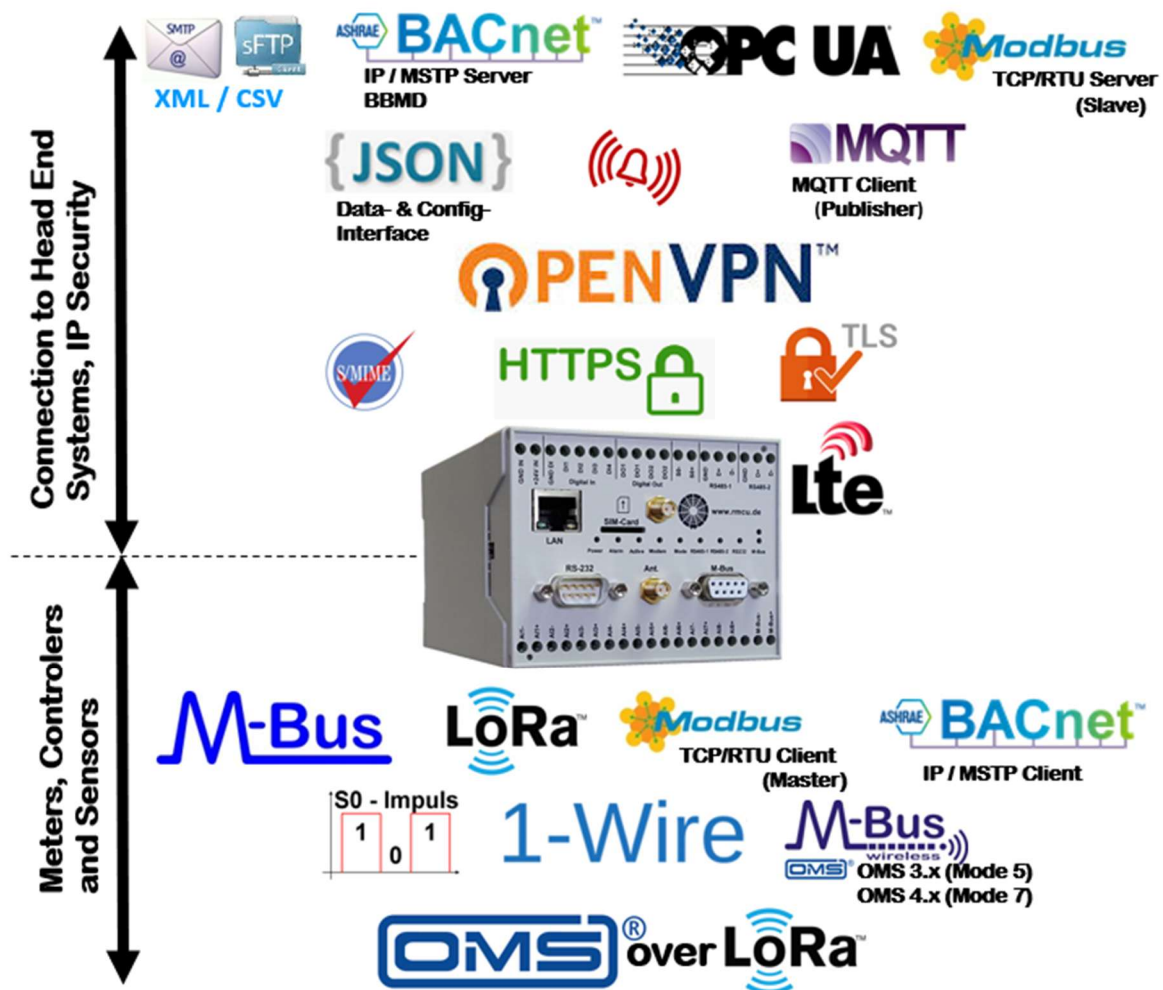


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The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 1



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[1] Requires a manufacturer-specific connection device for configuration. 2



1. LoRaWAN-sensors and accessories

1.1. Equipment radio measurement

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 50-40-868 (Lertes)	LoRaWAN Measurement Case: - Battery powered LoRa Basestation - Location finding for Basestations - Verification connection of sensors & meters		2500,00 €
B 50-40-869 (Lertes)	LoRaWAN Measurement backpack: - Battery powered LoRa Basestation - Location finding for Basestations - Verification connection of sensors & meters		2500,00 €
B 48-40-120 (Adeunis)	LoRaWAN Field Test Device incl. Connection and Configuration: - Measures RSSI & SNR - Verification connection of sensors & meters - Structure LoRaWAN Networks - incl. Communication and charging cable		370,00 €

1.2. Power meter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-626 (Gossen Metrawatt)	LoRaWAN power meter 5/80: - Direct measuring 5(80) A 3-phase power meter with MID-approval External antenna connection		322,00 €

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[1] Requires a manufacturer-specific connection device for configuration. 3



B 49-40-627 (Gossen Metrawatt)	LoRaWAN power meter 1/6: 1/5(6) A Current transformers 3-phase power meter with MID-approval External antenna connection		308,50 €
B 49-40-620 (EMU- Metering)	LoRaWAN power meter 3/100: - Direct measuring 3-phase power meter with MID-approval - S0 pulse output Internal antenna		269,50 €
B 49-40-621 (EMU- Metering)	LoRaWAN power meter 3/100: - Direct measuring 3-phase power meter with MID-approval - S0 pulse output External antenna connection		321,50 €
B 49-40-622 (EMU- Metering)	LoRaWAN power meter 3/5: - Current transformers /5 & /1A 3-phase power meter with MID-approval - S0 pulse output Internal antenna		269,50 €
B 49-40-623 (EMU- Metering)	LoRaWAN power meter 3/5: - Current transformers /5 & /1A 3-phase power meter with MID-approval - S0 pulse output External antenna connection		321,50 €
B 49-40-710 (iMST) B 49-40-711 (iMST)	LoRaWAN power meter module: - SML opto head - Incl. external antenna Option 1: Battery holder, batteries included Option 2: Power supply unit		126,00 € (Option 1) 126,00 € (Option 2)

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[1] Requires a manufacturer-specific connection device for configuration. 4



B 49-40-823 (deZem) B 49-40-824 (deZem)	LoRaWAN power sensor: • 4 input channels • Energy harvesting • Recording of effective currents • Available as total values: total current, active load and active energy; active energy is only available if the voltage transformer (B 49-40-830) is connected to input 4. • Also available as a variant with Rogowski coils; this variant requires a galvanically isolated deZem voltage converter at input 4		203,75 € (Standard-variant) 203,75 € (Rogowski-variant)
B 49-40-825 (deZem) B 49-40-826 (deZem) B 49-40-827 (deZem) B 49-40-828 (deZem) B 49-40-829 (deZem) B 49-40-830 (deZem) B 49-40-831 (deZem)	Harvy2 accessories: Folding current transformer: • T80/40: <i>Nominal current 80A, output signal 0-40mA</i> • T150/40: <i>Nominal current 150A, output signal 0-40mA</i> • T300/250: <i>Nominal current 300A, output signal 0-250mA</i> • T500/250: <i>Nominal current 500A, output signal 0-250mA</i> Rogowski coils: • Nominal current 3000A • JST plug-in system • Output signal 0-300mV • 1m connection cable Voltage converter: • Top-hat rail 230V/12VAC • Includes 1m connection cable with current limitation and JST plug system, also available as plug-in power supply Magnet pack mounting: • Upgrade for five Harvy2		45,00 € 64,00 € 109,00 € 131,50 € 150,00 € 57,00 € 25,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 5



1.3. Modules for heat meters

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-664 (Elvaco)	LoRaWAN heat meter module: - For Engelmann Sensostar - Internal module		99,50 € (int.)
B 49-40-665 (Elvaco) B 49-40-666 (Elvaco)	LoRaWAN heat meter module: - For Landis+Gyr UH50/UC50 - Internal module - Selection: - internal antenna - external antenna (incl. Magnetic base antenna)		126,00 € (int.) 147,00 € (ext.)
B 49-40-662 (Elvaco) B 49-40-663 (Elvaco)	LoRaWAN heat meter module: - For Diehl Metering SHARKY 548/775, Scylar INT8 - Internal module - Selection: - internal antenna - external antenna (incl. Magnetic base antenna)		136,50 € (int.) 154,00 € (ext.)
B 49-40-660 (Elvaco) B 49-40-661 (Elvaco)	LoRaWAN heat meter module: - For Kamstrup Multical 403/603/803 - Internal module - Selection: - internal antenna - external antenna (incl. Magnetic base antenna)		136,50 € (int.) 147,50 € (ext.)
B 49-40-667 (Elvaco) B 49-40-698 (Elvaco)	LoRaWAN heat meter module: - For Itron CF ECHO II/51/55 - Internal module - Selection: - internal antenna - external antenna (incl. Magnetic base antenna)		136,50 € (int.) 152,50 € (ext.)

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[1] Requires a manufacturer-specific connection device for configuration. 6



1.4. Heat/cooling meter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-900	Heat Meter: • Temperature: Heat • Pre-installed temperature sensors • Measurement principle: Ultrasonic • Power supply: Battery or external power supply • Flexible connection to control systems & data loggers with 2 module slots (LoRaWAN, M-Bus, Modbus, BACnet) • Conformity fee/calibration fee Heat meters are also available in versions such as M-Bus, Modbus, etc.		Price on request
B 49-40-901	Cooling Meter: • Temperature: Cooling • Pre-installed temperature sensors • Measurement principle: Ultrasonic • Power supply: Battery or external power supply • Flexible connection to control systems & data loggers with 2 module slots (LoRaWAN, M-Bus, Modbus, BACnet) • Conformity fee/calibration fee Heat meters are also available in versions such as M-Bus, Modbus, etc.		Price on request

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[1] Requires a manufacturer-specific connection device for configuration. 7



1.5. ClampOn heat meter (volume measurement)

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-902	ClampOn heat meters & flow meters with volume measurement: • Easy retrofitting without cutting the pipe (DN 25 – DN 700) • Precise measurement of heat, cooling or hybrid energy • Quick installation with transducers, clamping bands and ultrasonic coupling compound • Includes a pair of temperature sensors (temperature range -10 to +130°C) • Flexible connection to control systems & data loggers with 2 module slots (LoRaWAN, M-Bus, Modbus, BACnet)		Price on request
B 49-40-903	Ultrasonic Clamp-On Measurement Kit: • Portable measurements from DN 25 • Compatible with steel, stainless steel, PVC and many other pipe materials • Measurement range 0.01 m/s to 12 m/s, with an accuracy of $\pm 1\%$ • Rechargeable lithium battery for approx. 6 hours' operation, including 230 V mains adapter • With LCD display and SD card data storage • Communication possible via Modbus RTU and LoRaWAN, for example		Price on request

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[1] Requires a manufacturer-specific connection device for configuration. 8



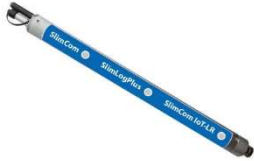
1.6. Water meter and groundwater monitoring station

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-904	LoRaWAN mechanical water meter:		131,00 € (Option 1)
B 49-40-905	- Measuring principle: universal impeller - Temperature: up to 90 °C - Interface: Modularis LoRaWAN module - Conformity fee/calibration fee - Programming of meter type and meter reading Option 1: Nominal flow rate: Q3 2.5 Body length/connection: 110 mm / DN 15 G 3/4" Option 2: Nominal flow rate: Q3 4.0 Body length/connection: 130 mm / DN 20 G 1" Other sizes and interfaces (M-Bus, S0) available on request		136,50 € (Option 2)
B 49-40-906	LoRaWAN domestic cold water meter:		199,50 € (Option 1)
B 49-40-907	- Measuring principle: dry-running/horizontal - Temperature: up to 50 °C - Interface: LoRaWAN Modularis module - Conformity fee/calibration fee - Programming of meter type and meter reading Option 1: Nominal flow rate: Q3 4.0 Body length/connection: 190 mm / DN 20 G 1" Option 2: Nominal flow rate: Q3 10.0 Body length/connection: 260 mm / DN 25 G 1 1/4" Other sizes and interfaces (M-Bus, S0) available on request		228,50 € (Option 2)

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[1] Requires a manufacturer-specific connection device for configuration. 9



B 49-40-714 (Seba Hydrometrie)	LoRaWAN groundwater monitoring station: - Battery-powered - Slim design (suitable for installation in pipes with a diameter of 2" or greater)		Price on request
B 49-40-908 B 49-40-909 B 49-40-910	LoRaWAN ultrasonic water meter: - Temperature: T30 / T50 - Interface: M-Bus + pulse - Power supply: battery (10-year life) - Resolution: digital 1 l - Material: Stainless steel - Conformity fee/calibration fee - Data retrieval: LoRaWAN radio, including 5 m external antenna Option 1: Nominal flow rate: Q3 4.0 Overall length: 190 mm Connection: DN 20 G 1" Option 2: Nominal flow rate: Q3 6.3 Overall length: 260 mm Connection: DN 25 G 1 1/4" Option 3: Nominal flow rate: Q3 16 Overall length: 300 mm Connection: DN 40 G 2" Other sizes available on request		279,00 € (Option 1) 379,50 € (Option 2) 471,50 € (Option 3)

1.7. Modules for gas meters

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-696 (NAS)	LoRaWAN Gas meter module: - For Honeywell (Elster) Absolute Encoder AE2, AE3 and AE5 - Battery-powered - External plug-in module		105,00€

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 10



1.8. LoRaWAN vibration sensor

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-712 (Honeywell)	LoRaWAN vibration sensor: - Monitoring of equipment to enable predictive maintenance - Magnetic mounting - Vibrations: 3 axes, +/- 16G, 25 to 2500 Hz - Ambient and surface temperature: -40°C to +80°C - Noise: 20 to 20 kHz, maximum 100 dB SPL - Ambient pressure: 0.3 – 1.1 bar - Humidity: 0 – 100% RH Option 1 Standard version: Measurement values are transmitted; spectrum analysis is not possible in a higher-level software solution Option 2 Advanced version: FFT spectra etc. can be analysed using analysis software – specialist system		1075,50 € (Option 1)
B 49-40-713 (Honeywell)			1265,00 € (Option 2)

1.9. Modules for water meters

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-696	LoRaWAN water meter module: Interface: LoRaWAN To check the module's compatibility, we need a photo of the water meter		121,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 11



1.10. Pulse converter (S0)

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-646 (Adeunis)	LoRaWAN pulse converter:		125,00 € (Option 1)
B 49-40-716 (Adeunis)	- S0 --> LoRa - Up to 2 meters connected - to IP67 - DIN Rail & wall mounting Option 1: includes a replaceable battery Option 2: includes a mains adaptor for external power supply, for connection to a Schuko socket		170,00 € (Option 2)
B 49-40-101	Surcharge for pre-wiring of pulse switch:		20,00 € (1m)
B 49-40-103	Pre-wiring for one pulse output		25,00 € (3m)
B 49-40-105	- Can be combined with: B 49-40-646, B 49-40-716, B 49-40-617, B 49-40-618 - Cable lengths: 1 m, 3 m or 5 m		30,00 € (5m)
B 49-40-649 (Adeunis)	LoRaWAN pulse converter (ATEX):		134,50 €
B 49-40-645 (Adeunis)	LoRaWAN pulse converter (ATEX) incl. Binder Connector:		163,50 €
B 49-40-643 (Adeunis)	LoRaWAN pulse converter (ATEX) incl. Gazpar Connector:		163,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 12



B 49-40-617 (Elsys)	LoRaWAN pulse converter/ Outdoor sensor: • Temperature, humidity, acceleration & atmospheric pressure • Analogue Input 0-10V, digital Input, pulse (S0) • to IP67 • wall mounting • incl. replaceable battery • External antenna connection		131,00 €
B 49-40-619 (Elsys)	LoRaWAN plug-on module: • Connection of external power supply (5-24V) • Upgrade to class c device • Compatible with B 49-40-617		55,50 €
B 49-40-618 (Elsys)	LoRaWAN pulse converter/ Outdoor sensor: • Temperature, analogue input, digital input, pulse (S0) • to IP67 • wall mounting • incl. replaceable battery • External antenna connection		91,50 €

1.11. Pulse modules for water meters

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-911	Water meter pulse module 1: • Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the water meter		142,00 €
B 49-40-912	Water meter pulse module 2: • Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the water meter		185,50 €
B 49-40-913	Water meter pulse module 3: • Interface: Pulse output 10l To check the compatibility of the pulse module, we need a photograph of the water meter		94,50 €

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[1] Requires a manufacturer-specific connection device for configuration. 13



B 49-40-914	Water meter pulse module 4: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the water meter		175,00 €
B 49-40-915	Water meter pulse module 5: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the water meter		58,00 €

1.12. Pulse modules for gas meters

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-916	Diaphragm gas meter pulse module 1: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the gas meter		92,00 €
B 49-40-917	Diaphragm gas meter pulse module 2: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the gas meter		142,00 €
B 49-40-918	Diaphragm gas meter pulse module 3: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the gas meter		42,50 €
B 49-40-919	Diaphragm gas meter pulse module 4: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the gas meter		154,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 14



B 49-40-920	Diaphragm gas meter pulse module 5: Interface: Pulse output To check the compatibility of the pulse module, we need a photograph of the gas meter		46,50 €
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1.13. Modbus to LoRaWAN-Converter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-615 (Adeunis)	LoRaWAN Modbus converter: - RS485/RS232 compatible - read and write Modbus slave registers - to IP67 - DIN Rail & wall mounting - Supply voltage 6-30V		215,50 €
B 49-40-650 (Dragino)	LoRaWAN Modbus converter: - RS485/Modbus RTU --> LoRa - read and write Modbus slave registers - incl. magnetic base antenna - up to 15 register addresses - Supply voltage 7-24V		110,00 €

1.14. Actuator

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-669 (Enginko)	LoRaWAN actuator (mcf88) - external power supply - Class C		147,50 €

1.15. Heating thermostats

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-693 (Micropelt)	LoRaWAN heating thermostats: - maintenance-free operation - Energy Harvesting - no battery change - rechargeable via USB		159,00€

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 15



B 49-40-832 (Eurotronic)	LoRaWAN heating thermostats: - incl. replaceable battery - Class A		94,00 €
B 49-40-833 (Eurotronic)	LoRaWAN heating thermostats: - incl. replaceable battery - Class A		70,50 €
B 49-40-694 (Mclimate)	LoRaWAN heating thermostats: - incl. replaceable battery - Class A		94,00€
B 49-40-705 (Thermokon)	LoRaWAN heating thermostats: - incl. replaceable battery - Class A		89,00€

1.16. LoRaWAN Door sensor

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-697 (Elsys)	LoRaWAN Door sensor: - Detection of the opening/closing of doors - Battery-operated - Incl. replaceable battery		67,00€

1.17. Digital Input/Output

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-642 (Adeunis)	LoRaWAN digital Input/Output: 4 channels - Relay switching possible - to IP68 - Check operating state - external power supply or replaceable battery - Class C possible		125,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 16



1.18. Analog Input

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-633 (Adeunis)	LoRaWAN analogue input: • 2 inputs 0-10 V or 4-20 mA • to IP67 • DIN Rail & wall mounting • incl. replaceable battery		122,00 €
B 49-40-634 (Adeunis)	LoRaWAN analog Input: • 2 Inputs 0-10 V or 4-20 mA • to IP67 • DIN Rail & wall mounting • Supply voltage 5-36V		128,00 €

1.19. Temperature sensor

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-613 (Adeunis)	LoRaWAN temperatur sensor 1: • 1x external sensor (NTC) -55 to +155°C • 1x internal sensor -30 to +70°C • to IP68 • DIN Rail & wall mounting • incl. replaceable battery		167,50 €
B 49-40-614 (Adeunis)	LoRaWAN temperatur sensor 2: • 2x external sensors (NTC) -55 to +155°C • to IP68 • DIN Rail & wall mounting • incl. replaceable battery		201,50 €

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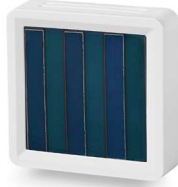
[1] Requires a manufacturer-specific connection device for configuration. 17



1.20. Room sensor: state

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-675 (Thermokon)	LoRaWAN room sensor: • State (2 Reed-contacts with magnets) • Replaceable battery • Wall mounting (Glued or screwed connection)	 Different colours available	59,50 €

1.21. Room sensor: temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-610 (Elsys)	LoRaWAN room sensor: • Temperature, humidity • Wall mounting • incl. replaceable battery		68,00 €
B 49-40-700 (Elsys)	LoRaWAN room sensor: • Temperature, humidity • With a 2,13-Zoll-E-Paper-Display • Wall mounting • incl. replaceable battery		108,00 €
B 49-40-702 (Elsys)	LoRaWAN room sensor: • Temperature, humidity • With a organic solar cell • Wall mounting		Price on request
B 49-40-670 (Thermokon)	LoRaWAN room sensor: • Temperature, humidity • Battery-powered • Wall mounting (Glued or screwed connection)	 Different colours available	70,00 €
B 49-40-804 (Thermokon)	LoRaWAN room sensor: • Temperature, humidity • With a 44x24mm E-Paper-Display • Battery-powered • Wall mounting (Glued or screwed connection)	 Different colours available	90,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 18



B 49-40-677 (Thermokon)	LoRaWAN room sensor: • Temperature, humidity • Replaceable battery • Wall mounting (Glued or screwed connection)	 Different colours available	68,00 €
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1.22. Room sensor: state, temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-676 (Thermokon)	LoRaWAN room sensor: • State (2 Reed-contacts with magnets), temperature, humidity • Replaceable battery • Wall mounting (Glued or screwed connection)	 Different colours available	73,50 €

1.23. Room sensor: brightness, temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-678 (Thermokon)	LoRaWAN room sensor: • Brightness, temperature, humidity • Replaceable battery • Wall mounting (Glued or screwed connection)	 Different colours available	79,50 €

1.24. Room sensor: motion, temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-679 (Thermokon)	LoRaWAN room sensor: • Motion, temperature, humidity • Replaceable battery • Wall mounting (Glued or screwed connection)	 Different colours available	86,00 €

1.25. Room sensor: temperature, humidity, light/brightness, motion

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-612 (Elsys)	LoRaWAN room sensor: • Temperature, humidity, light, motion • Wall mounting • incl. replaceable battery		82,00 €

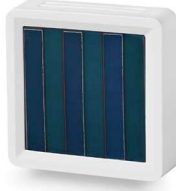
The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 19



B 49-40-680 (Thermokon)	LoRaWAN room sensor: • Temperature, humidity, brightness, motion • Replaceable battery • Wall mounting (Glued or screwed connection)	 Different colours available	99,50 €
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1.26. Room sensor: temperature, humidity, CO2

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-609 (Elsys)	LoRaWAN room sensor: • Temperature, humidity, CO2 • Wall mounting • incl. replaceable battery		190,50 €
B 49-40-701 (Elsys)	LoRaWAN room sensor: • Temperature, humidity, CO2 • With a 2,13-Zoll-E-Paper-Display • Wall mounting • incl. replaceable battery		218,50 €
B 49-40-703 (Elsys)	LoRaWAN room sensor: • Temperature, humidity, CO2 • With a organic solar cell • Wall mounting		Price on request
B 49-40-671 (Thermokon)	LoRaWAN room sensor: • Room temperature, humidity, CO2 • Battery-powered • Wall mounting (Glued or screwed connection)	 Different colours available	159,00 €
B 49-40-803 (Thermokon)	LoRaWAN room sensor: • Temperature, humidity, CO2 • With a 44x24mm E-Paper-Display • Battery-powered • Wall mounting (Glued or screwed connection)	 Different colours available	187,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 20



1.27. Room sensor: temperature, humidity, light, motion, CO2

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-648 (Elsys)	LoRaWAN room sensor: - temperature, humidity, light, motion, CO2 - Wall mounting - incl. replaceable battery		209,00 €
B 49-40-800 (Thermokon)	LoRaWAN room sensor: - temperature, humidity, light, motion, CO2 - Battery-powered - Wall mounting (Glued or screwed connection)	 Different colours available	208,00 €

1.28. Room sensor: temperature, humidity, light, motion, VOC

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-608 (Elsys)	LoRaWAN room sensor: - temperature, humidity, light, motion, VOC (volatile organic compounds) - Wall mounting - incl. replaceable battery		201,50 €

1.29. Room sensor: temperature, humidity, light, motion, volume

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-606 (Elsys)	LoRaWAN room sensor: - temperature, humidity, light, motion, volume (peak + average) - Wall mounting - incl. replaceable battery		169,00 €

1.30. Room sensor: temperature, humidity, light, motion, occupancy

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-605 (Elsys)	LoRaWAN room sensor: - temperature, humidity, light, motion, occupancy - Wall mounting - incl. replaceable battery		158,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 21



1.31. Room sensor: temperature, humidity, air pressure, light, motion, Acceleration / orientation

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-821 (Enerthing)	LoRaWAN room sensor: • temperature, humidity, air pressure, light, motion, Acceleration / orientation • With a organic solar cell • Wall mounting		124,00 €

1.32. Room sensor: temperature, humidity, Co2, air pressure, light, motion, Acceleration / orientation

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-822 (Enerthing)	LoRaWAN room sensor: • temperature, humidity, Co2, air pressure, light, motion, Acceleration / orientation • With a organic solar cell • Wall mounting		235,00 €

1.33. Room operating unit

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-672 (Thermokon)	LoRaWAN room operating unit: • Room control unit with potentiometer for setpoint adjustment • Integrated temperature and humidity sensor • Battery-powered • Class A • Wall mounting (Glued or screwed connection)		87,00 €
B 49-40-673 (Thermokon)	LoRaWAN room operating unit: • Room control unit with push-button • Integrated temperature and humidity sensor • Battery-powered • Class A • Wall mounting (Glued or screwed connection)		180,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 22



B 49-40-674 (Thermokon)	LoRaWAN room operating unit: - Room control unit with potentiometer and push-button - Integrated temperature and humidity sensor - Battery-powered - Class A - Wall mounting (Glued or screwed connection)		185,00 €
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1.34. Outdoor sensor: temperature

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-681 (Thermokon)	LoRaWAN outdoor sensor [1]: - Temperature - to IP65 - Wall mounting - external power supply - Class A		102,00 €

1.35. Outdoor sensor: temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-682 (Thermokon)	LoRaWAN outdoor sensor [1]: - Temperature, humidity - to IP65 - Wall mounting - external power supply - Class A		156,00 €

1.36. Outdoorsensor: temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-819 (Thermokon)	LoRaWAN-outdoor sensor: - Temperature, Humidity - to IP65 - Wall mounting - Battery-powered - Class A		139,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 23



1.37. Outdoor sensor: temperature, CO2

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-683 (Thermokon)	LoRaWAN outdoor sensor [1]: • Temperature, CO2 • to IP65 • Wall mounting • external power supply • Class A		235,50 €

1.38. Outdoor sensor: temperature, CO2, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-684 (Thermokon)	LoRaWAN outdoor sensor [1]: • Temperature, CO2, humidity • to IP65 • Wall mounting • external power supply • Class A		263,50 €

1.39. Outdoor sensor: temperature, CO2, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-818 (Thermokon)	LoRaWAN-outdoor sensor: • Temperature, CO2, humidity • to IP65 • Wall mounting • Battery-powered • Class A		247,50 €

1.40. Outdoor sensor: temperature, CO2, humidity, VOC

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-685 (Thermokon)	LoRaWAN outdoor sensor [1]: • Temperature, CO2, humidity, VOC • to IP65 • Wall mounting • external power supply • Class A		343,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 24



1.41. Outdoor sensor: brightness

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-686 (Thermokon)	LoRaWAN outdoor sensor [1]: - Brightness - to IP65 - Wall mounting - external power supply - Class A		149,00 €

1.42. Outdoor sensor: brightness, temperature, atmospheric pressure

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-687 (Thermokon)	LoRaWAN outdoor sensor [1]: - Brightness, temperature, atmospheric pressure - to IP65 - Wall mounting - external power supply - Class A		205,00 €

1.43. Outdoor sensor: differential pressure, volume flow

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-688 (Thermokon)	LoRaWAN outdoor sensor [1]: - Differential pressure, Volume flow - to IP65 - Wall mounting - external power supply - Class A		123,50 €

1.44. Outdoor sensor weather station: temperature, humidity

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-691 (Thermokon)	LoRaWAN-outdoor sensor (weather station) [1]: - temperature, humidity - Radiation and weather protected - Additional analogue voltage outputs - to IP65 - Wall mounting - external power supply - Class A		244,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 25



1.45. Duct sensor: Temperature, humidity, CO2

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-811 (Thermokon)	LoRaWAN-Duct sensor: • Temperature, humidity, CO2 • to IP65 • external power supply • Class A • sensor tube Ø=19,5 mm • Length: 180mm		258,00 €

1.46. Duct sensor: Temperature, humidity, CO2

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-820 (Thermokon)	LoRaWAN-Duct sensor: • Temperature, humidity, CO2 • to IP65 • Battery-powered • Class A • sensor tube Ø=19,5 mm • Length: 180mm		242,00 €

1.47. Leakage

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-616 (Adeunis)	LoRaWAN leakage sensor • 2m sensor cable length+ 0,70m Non-sensor cable length • to IP68 • incl. replaceable battery		285,00 €
B 49-40-689 (Thermokon)	LoRaWAN leakage sensor [1]: • Measurement over the entire sensor rod • 5m, 20m, 30 m cable length possible • to IP65 • Internal antenna connector (external on request) • external power supply • Class A		Price on request 5m: 20m: 30m:

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 26



B 49-40-690 (Thermokon)	LoRaWAN leakage sensor [1]: • Remote sensor • 5m cable length • to IP65 • Internal antenna connector (external on request) • external power supply • Class A		133,50 €
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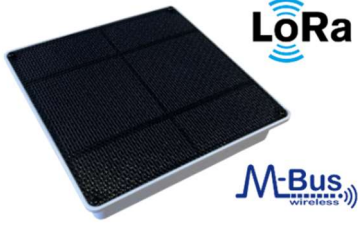
1.48. Distance sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-647 (Dragino)	LoRaWAN distance sensors: • distance sensor (ultrasonic) • 0,28 m to 7,5 m • 25cm cable length • to IP 66 • replaceable battery		87,50 €
B 49-40-604 (Elsys)	LoRaWAN outdoor sensor: • Temperature, humidity, distance, acceleration, pressure • to IP67 • Wall mounting • incl. replaceable battery • external power supply		399,00 €

1.49. Parking sensor technology

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-631 (PNI)	LoRaWAN parking sensor: • Mounted on the road surface • Battery operated • Detects parking space occupancy		407,50 €

1.50. wM-Bus on LoRa-Gateway

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-699 (Lobaro)	wM-Bus on LoRa-Gateway: • wM-Bus → LoRa • solar powered • incl. SIM-card		252,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 27



1.51. M-Bus on LoRa-Gateway

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-635 (Adf Web)	M-Bus on LoRa gateway: • Connection of up to 20 M-Bus loads • DIN rail mounting • Power supply 18–35 V DC or 8–24 V AC		416,50 €

1.52. Accessories Thermokon sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-692 Thermokon)	*Bluetooth dongle Mirco-USB (for Thermokon sensors with external power supply): • An application-specific reconfiguration of the units can be carried out using the Thermokon USEapp. The configuration apps are available in the corresponding app stores (Android, iOS)		39,00 €

1.53. Accessories Elsys sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-600	Lithium-ion battery (sensor technology): • Nominal voltage 3,6V • Capacity 2700mAh • Dimension 14,5 x 50,5mm		4,80 €

1.54. Accessories Adeunis sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-601	Lithium-ion battery (sensor technology): • Nominal voltage 3,6V • Capacity 4000mAh		9,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 28



Antennas

2.1 Antennas with tilt joint

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-032	LoRa / wMBus-antenna: - SMA-plug - Tip over joint 3 dBi, 868 MHz - Length: 205mm		10,00 €
B 15-40-024	LTE / GSM / UMTS antenna: - SMA plug, 90°-tip over joint		25,00 €

2.2 Antennas with tilt joint

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-030	LoRa / LTE / GSM / UMTS / wMBus-antenna: 2,5m – 3m cable length - SMA plug, - magnetic base antenna		15,00 €
B 15-40-004	LoRa / LTE / GSM / UMTS / wMBus-antenna: 5m cable - SMA-plug - magnetic base antenna		55,00 €

2.3 Antennas for wall or mast mounting

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-022	LoRa / LTE / GSM / UMTS / wMBus-antenna: - Outdoor 5m LowLoss-cable - SMA-plug - incl. angle bracket for wall mounting		65,00 €
B 15-40-028	LoRa / LTE / GSM / UMTS / wMBus-antenna: - Outdoor 5m LowLoss-cable - SMA-plug - incl. angle bracket & hose clamp for wall or pylon mounting		50,00 €
B 15-40-043	LoRa / wMBus-antenna: 868MHz 3dBi - N-socket - pylon mounting - Length 320mm		95,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 29



2.4 High performance antenna

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-044	LoRa / wMBus-high performance antenna: • 868MHz • 5dBi • N-socket • pylon mounting • Length 337mm		180,00 €
B 15-40-045	LoRa- /wMBus- high performance antenna: • 868MHz • 8dBi • N-socket • pylon mounting • Length 850mm		200,00 €
B 15-40-046	LoRa- / wMBus high performance antenna: • 868MHz • 12dBi • N-socket • pylon mounting • Length 2240mm		420,00 €

2.5 Surge protection for antennas

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-080	Surge protection for antennas: • Surge protection for RF applications • Max. frequency range: DC-4 GHz • Max. RF power: 25 W • Uc: 72 Vdc, IL: 10 A • C2: 5 kA, D1: 1 kA • Protection class: IP65 • Connection type: N connector • Input/output: connector/socket		49,50 €

2.6 Mast boom

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-124	Main arm: • Aluminium		27,00 € (250mm)
B 15-40-125	• Tube diameter: 50 mm, 2mm • Wall distance: 250, 350, 450 mm		31,50 € (350mm)
B 15-40-126	• Vertical height: 250 mm • Mounting plate: 150 mm x 150 mm x 4 mm		34,50 € (450mm)

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 30



3 Antenna cable & antenna accessories

3.1 Low Loss coaxial cable SMA-male/female

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-207	Low Loss coaxial cable SMA-m/f, 7m antenna cable extension		45,00 €
B 15-40-210	Low Loss coaxial cable SMA-m/f, 10m antenna cable extension		55,00 €
B 15-40-215	Low Loss coaxial cable SMA-m/f, 15m antenna cable extension		65,00 €
Other cable lengths are possible on request			

3.2 Low Loss coaxial cable N-male/N-male

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-302	Low Loss coaxial cable N-male/N-male, 2m antenna cable extension		45,00 €
B 15-40-305	Low Loss coaxial cable N-male/N-male, 5m antenna cable extension		55,00 €
B 15-40-307	Low Loss coaxial cable N-male/N-male, 7,5m antenna cable extension		60,00 €
B 15-40-310	Low Loss coaxial cable N-male/N-male, 10m antenna cable extension		65,00 €
Other cable lengths are possible on request			

3.3 Low Loss coaxial cable N-male/SMA-male

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-402	Low Loss coaxial cable N-male/SMA-male, 2m antenna cable extension		45,00 €
B 15-40-405	Low Loss coaxial cable N-male/SMA-male, 5m antenna cable extension		55,00 €
B 15-40-407	Low Loss coaxial cable N-male/SMA-male, 7,5m antenna cable extension		60,00 €
B 15-40-410	Low Loss coaxial cable N-male/SMA-male, 10m antenna cable extension		65,00 €
Other cable lengths are possible on request			

3.4 Antenna adapter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 15-40-062	Angle adapter SMA-male to SMA-female		15,00 €
B 15-40-072	Adapter N-male to SMA-female		25,00 €
B 15-40-074	Adapter N-male to SMA-male		25,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 31



4 wireless M-Bus sensors

4.1 wM-Bus Master

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 31-12-411	wM-Bus Master: - with external wireless M-Bus Module for DIN Rail - incl. antenna (S1, T1, C1, OMS 3+4)		200,00 €

4.2 wM-Bus to M-Bus converter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-137	wM-Bus --> M-Bus converter: - for up to 63 wM-Bus sensors - internal antenna (S1, T1, C1, OMS 3+4)		145,00 €
B 49-40-138	wM-Bus --> M-Bus converter: - for up to 63 wM-Bus sensors - incl. external antenna (S1, T1, C1, OMS 3+4)		170,00 €

4.3 wM-Bus pulse adapter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-140 (Relay)	Wireless M-Bus pulse converter with 2 Inputs: PadPulsM2W		80,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 32



5. M-Bus sensors & accessories

5.1 M-Bus starter set

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-31-100	M-Bus starter set for configuration - M-Bus Mirko Master with adapter cable for laptops (USB), for 10 end devices - Adapter for USB to RS232 Free software: Relay MbConf, Relay MbSheet, NZR M-Tool		220,00 €

5.2 External M-Bus level converter

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-31-212 (Elvaco)	External M-Bus level converter: 120 loads - CMeX12S (up to 128 loads)		741,00 €
B 49-31-250 (Elvaco)	External M-Bus level converter: 250 loads - CMeX13S (up to 256 loads)		857,50 €
B 49-34-251 (Relay)	External M-Bus level converter: 250 loads - PW250		904,00 €

5.3 Pulse converter (S0)

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-34-130 (Relay)	S0--> M-Bus converter: 1 channel - Wall-mounted housing - PadPuls M1 - Battery 1,8Ah		61,00 €
B 49-34-131 (Relay)	S0--> M-Bus converter: 1 channel - DIN Rail - PadPuls M1C - S0 according to DIN43864 - Battery 1,8Ah		102,00 €
B 49-34-128 (Relay)	S0--> M-Bus converter: 2 channel - Wall-mounted housing - PadPuls M2 - Battery 1,8Ah		81,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 33



B 49-34-129 (Relay)	S0--> M-Bus converter: • 2 channel • DIN Rail • PadPuls M2C • Battery 1,8Ah		92,00 €
B 49-34-113 (Relay)	S0--> M-Bus converter: • 4 channel • DIN Rail • PadPuls M4C • Battery 1,8Ah		132,00 €

5.4 Pulse doubler (S0)

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-32-152 (Relay)	S0 Pulse doubler: • double S0 pulse converter • 2 Channels to each 2 Outputs		56,00 €

5.5 Digital Inputs to M-Bus

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-134 (Relay)	Digital Inputs (4) to M-Bus converter: • PadIn4		138,00 €

5.6 Analogue to M-Bus

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-31-403 (Relay)	Analogue --> M-Bus converter: • 1 channel • AnDiPlus		181,00 €

5.7 Power meter M-Bus

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-810 (EMU-Metering)	M-Bus power meter 3/100: • Direct measuring • 3-phase power meter with MID-approval • Load profile storage with PTB-A 50.7 • S0 pulse output		186,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 34



B 49-40-811 (EMU-Metering)	M-Bus power meter 3/5: - Current transformers /5 & /1A 3-phase power meter with MID-approval - Load profile storage with PTB-A 50.7 - S0 pulse output		186,00 €
B 49-40-141 (Device)	Communication adapter for power meters: - IR readout adapter with M-Bus connection - Device DvMBIR		189,00 €

6. Modbus sensors

6.1. Power meter Modbus

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-40-850 (EMU-Metering)	Modbus TCP/IP power meter 3/100: - Direct measuring 3-phase power meter with MID-approval - Load profile storage with PTB-A 50.7 - S0 pulse output		279,50 €
B 49-40-851 (EMU-Metering)	Modbus TCP/IP power meter 3/5: - Current transformers /5 & /1A 3-phase power meter with MID-approval - Load profile storage with PTB-A 50.7 - S0 pulse output		279,50 €
B 49-40-852 (EMU-Metering)	Modbus RTU power meter 3/100: - Direct measuring 3-phase power meter with MID-approval - Load profile storage with PTB-A 50.7 - S0 pulse output		197,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 35



B 49-40-853 (EMU-Metering)	Modbus RTU power meter 3/5: - Current transformers /5 & /1A 3-phase power meter with MID-approval - Load profile storage with PTB-A 50.7 - S0 pulse output		197,50 €
B 49-40-142 (Device)	Communication adapter for power meters: - IR readout adapter with Modbus connection - Device DvModbusIR		189,00 €

7. Analogue sensors

7.1 PT1000 sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-31-303	Pipe contact sensor PT1000: - Class A 3m silicone cable 2-lines - Temperature range -50°C...200°C		25,00 €
B 49-31-305	Pipe contact sensor PT1000: - Class A 5m silicone cable 2-lines - Temperature range -50°C...200°C		30,00 €
B 49-31-316	Outdoor sensor PT1000: - to IP65 2-lines - internal sensor - Temperature range -50°C...90°C		25,00 €
B 49-31-318	Outdoor sensor PT1000: - to IP65 2-lines - external sensor - Temperature range -30°C...90°C		30,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 36



7.2 Room sensor

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-34-361	Room sensor: • CO2 • 4...20mA • 0...2000ppm		185,00 €
B 49-34-363	Combination room sensor: • CO2, temperature • 4...20mA • CO2: 0...2000ppm • Temperature -20...50°C		210,00 €
B 49-34-365	Combination room sensor: • CO2, humidity • 4...20mA • CO2: 0...2000ppm • Humidity: 10...95%		210,00 €

7.3 Temperature sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-31-331	Temperature sensor: • 4...20 mA • to IP65 • internal PT100 • external sleeve • Temperature range -30°C...90°C		100,00 €

7.4 M-Bus sensors temperature

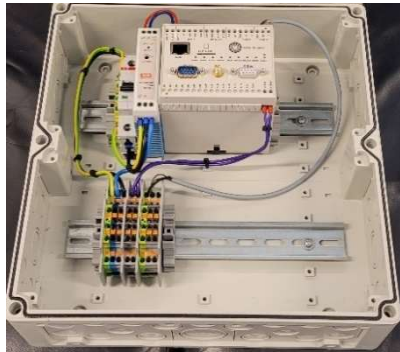
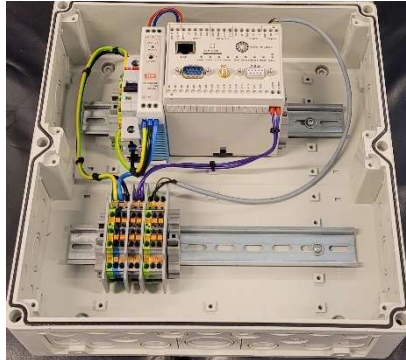
Art.-Nr.	Description	Type / Implementation	Price (netto)
B 49-34-372	M-Bus indoor sensor: • Temperature, humidity • Type THI • Temperature: -20...55°C • Humidity: 0...100%		135,00 €
B 49-34-370	M-Bus outdoor sensor: • Temperature, humidity • Type THO • Temperature: -20°C...55°C • Humidity: 0...100%		215,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 37



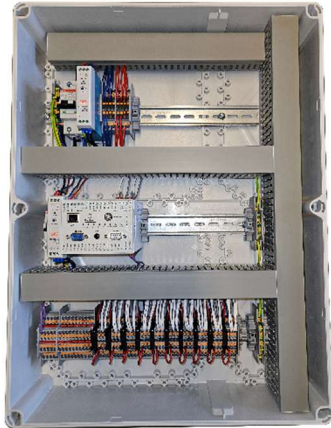
8. Outer casing RmCU

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 55-40-880	Switch cabinet steel Rittal (380mm*300mm*200mm): - Pre-assembled on DIN rail incl. power supply unit, cable set, LS-switch - Terminal blocks (PE, N, L & Fieldbus protocol) - Cable entry mat, ready for connection (230V) Possible on request: Additional terminal blocks, locking cylinder, wall bracket etc.	 RmCU is not included in the scope of delivery	250,00 €
B 55-40-810	Enclosure plastic clear view (IP 65) (300mm*300mm*210mm) - Pre-assembled on DIN rail incl. power supply unit, cable set, LS-switch - Terminal blocks (PE, N, L & Fieldbus protocol) - ready for connection (230V) Possible on request: Additional terminal blocks etc.	 RmCU is not included in the scope of delivery	230,00 €
B 55-40-800	Enclosure plastic Opaque (IP 65) (300mm*300mm*210mm) - Pre-assembled on DIN rail incl. power supply unit, cable set, LS-switch - Terminal blocks (PE, N, L & Fieldbus protocol) - ready for connection (230V) Possible on request: Additional terminal blocks etc.	 RmCU is not included in the scope of delivery	230,00 €

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[1] Requires a manufacturer-specific connection device for configuration. 38



B 55-40-840	Rittal stainless steel control cabinet (V2A) (mm*mm*mm): • Pre-assembled on a top-hat rail, including power supply unit, cable harness and circuit breaker • Terminal blocks (PE, N, L & fieldbus protocol) • 3 × M20 stainless steel cable glands included		535,00 €
B 55-40-820	Enclosure plastic clear view (IP 65) (250mm*185mm*180mm) • Pre-assembled on DIN rail incl. power supply unit, cable set, LS-switch • Terminal blocks (PE, N, L) • ready for connection (230V)	 RmCU is not included in the scope of delivery	200,00 €
	Individual switch cabinets are possible on request		On request

9. Outer casing sensors

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 65-40-210	Outer casing sensors (192mm*164mm*105mm) • Pre-assembled on DIN rail incl. power supply unit, cable set, LS-switch, terminal blocks • ready for connection (230V) • Suitable for e.g. 49-40-650	 Sensor and sensor mounting set is not included in the scope of delivery	120,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 39



B 65-40-230	Pulse Doppler outer housing (192mm*164mm*105mm) • Pre-mounted on a top-hat rail including power supply unit, cable set, terminal blocks • (ready for connection to 230 V) • Includes S0 pulse Doppler (B 49-32-152) • Includes LoRaWAN pulse switch (B 49-40-646)		301,00 €
B 65-40-240	Outer casing sensors (192mm*164mm* 105mm) • Pre-mounted on a top-hat rail including power supply unit, cable harness, terminal blocks • (ready for connection to 230 V) • Including LoRaWAN pulse switch (B 49-40-646)		280,00 €

10. Accessories outer casing & DIN Rail

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 57-40-310 (ABB)	FI-switch: • 2-pole residual current circuit breaker • ABB M compact series F200 • DIN rail mounting • Nominal current 25A • Rated residual current 30mA		60,00 €
B 57-40-320	Power socket: • Schuko power socket on DIN Rail • 16A/250V		15,00 €
B 57-40-330	Sensor mounting set: • For DIN rail mounting		15,00 €
B 49-33-605	5-Port Ethernet-Switch: • Ethernet-Switch for DIN Rail mounting • Power supply 18...30V DC • 5 Ports 10/100Mbit • Autonegotiation • Auto.MDI- /MDI-X		110,00 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 40



B 15-30-244	Power supply unit 20W Power supply DIN Rail, 24V 1A		25,00 €
B 15-30-246	Power supply unit 40W Power supply DIN Rail, 24V 1,75A		40,00 €
B 15-30-248	Power supply unit 60W Power supply DIN Rail, 24V 2,5A		45,00 €

11. Engineering service: Firmware update & activation of interfaces

Art.-Nr.	Description	Type / Implementation	Price (netto)
B 75-40-560	Firmware Update	See manual	On request
B 76-40-200	Subsequent activation of further interfaces (MQTT, Modbus, BACnet, JSON)	On request (e.g. SSH)	60,50 €

The prices stated are prices per unit. When purchasing larger quantities, it is possible that a quantity discount will be granted upon request.

[1] Requires a manufacturer-specific connection device for configuration. 41