



Measurement technology | METPOINT® BDL compact

Volumetric flow, pressure dew point, pressure, effective flow, temperature and residual oil vapour content. All parameters at your fingertips: METPOINT® BDL compact

For the efficient treatment of your compressed air, you need to know the dew point, pressure, flow and temperature. Accurate measurements and comprehensive data analysis are indispensable for proper quality control.

Make quality visible – by recording it

The METPOINT® BDL compact data logger is a compact device with powerful measuring and evaluation functions, including instant alarms in the case of exceedances.

It measures all key quality parameters for compressed air and enables you to evaluate the efficiency of your system by identifying hidden cost drivers. User-friendly statistics and charts provide the information you need for effective quality and energy management.

The METPOINT® BDL compact features two sensor inputs.

On request, it is available with two additional digital or analog inputs, e.g. for power meters or pressure sensors. All critical parameters of your processes can be called up on the screen, so that you can intervene without delay if required. The compact device can be equipped with a 2 GB data logger, so that you can track performance over time, which is a prerequisite for continuous quality and efficiency improvement.

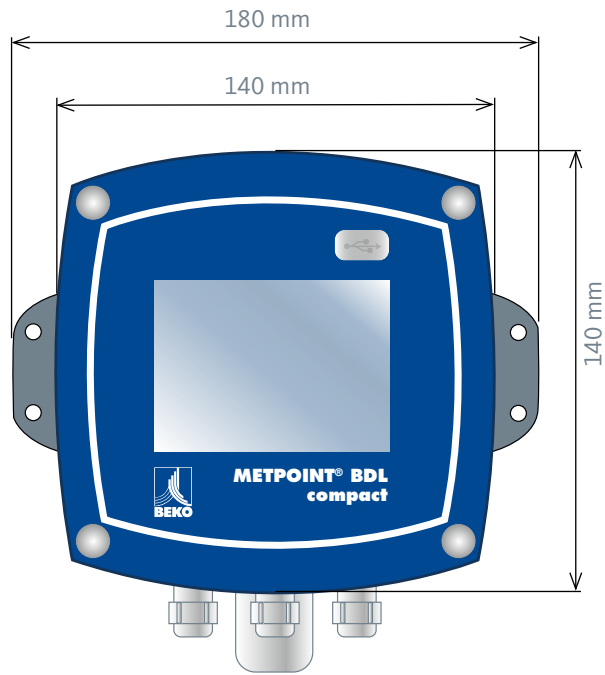
› Access your data from anywhere in the world

- › Integration into company LAN and internet
- › Process data output per TCP/RTU Modbus output for PLC, facility management system, etc.
- › Integrated web server with intuitive browser interface (optional)
- › Data logger (optional)
- › Efficient process and cost analyses
- › Extra safety thanks to limit alarm signals

› User-friendly and adaptable

- › 3.5" colour touch screen display with intuitive menus
- › All process data available in table or chart format for further analysis
- › Modular design: catering for up to 4 sensors of any type
- › Process data tracking

| Technical data of METPOINT® BDL compact | |
|--|---|
| Colour display | 3.5" touch panel, TFT transmissive |
| Supply voltage | 100 ... 240 VAC / 50 ... 60 Hz, max. 25 VA |
| Supply voltage for sensors | Output voltage: 24 VDC \pm 10 % |
| Output current - analog board | 120 mA in total for both channels |
| Output current - digital board | 120 mA in continuous mode / channel |
| Max. output current through all channels | 280 mA |
| Ambient temperature | 0 ... +50 °C |
| Storage and transport temperature | -20 ... +70 °C |
| Ambient air humidity | 0 ... 95 %, no condensation |
| Protection class | IP 44, EN 60529 |
| Lithium manganese dioxide battery | Panasonic CR2032 |
| Connections | 7x cable connections M12x1.5 Body: Brass, nickel-plated Terminal size: 3-7 mm, WS=16 mm; torque: 8 Nm 1x RJ45 for Ethernet connection |
| Interfaces | USB port (USB 2.0) / Ethernet interface, Modbus TCP RS485 interface, Modbus RTU SDI interface (Serial Data Interface) |
| Sensor inputs | 4 (2x2) sensor inputs for analog and digital sensors, free assignment Analog signals: 0/4 ... 20 mA, 0 ... 1/10/30 V pulse signals Pt100, Pt1000 Digital signals: RS485, BEKO-SDI |
| Alarm outputs (alarm relays) | 2x floating switchover contacts; programmable, for alarm management |
| Analog output and pulse output | Looped for sensors with own signal output, e.g. FS / DP series |
| Data logger | 2 GB memory card (micro SDHC class 4) |
| Housing materials | Housing: Aluminium, powder-coated polyester front foil (anti-glare) 3M adhesive (3M7952 / 3M467) |
| Housing dimensions | 180 x 166 x 115 mm |
| Weight | 2.7 kg |
| Optional | Web server |
| Optional | Electrically insulated pulse output (2x) max. 30V AV / 60V DC; 250 mA |
| Optional | Consumption statistics, daily/weekly/monthly reports |



| METPOINT® BDL compact | BDLc_2D 2 digital inputs | BDLc_2A 2 analog inputs | BDLc_2D2A 2 digital and 2 analog inputs | BDLc_2DE 2 digital inputs and Ethernet interface | BDLc_2AE 2 analog inputs and Ethernet interface |
|-----------------------|-----------------------------|----------------------------|--|---|--|
| Order no. | 4027685 | 4027730 | 4027738 | 4027754 | 4027800 |

| METPOINT® BDL compact | BDLc_2D2AE 2 digital, 2 analog inputs and Ethernet interface | BDLc_4D 4 digital inputs | BDLc_4A 4 analog inputs | BDLc_4DE 4 digital inputs and Ethernet interface | BDLc_4AE 4 analog inputs and Ethernet interface |
|-----------------------|---|-----------------------------|----------------------------|---|--|
| Order no. | 4027809 | 4027817 | 4027825 | 4027833 | 4027837 |

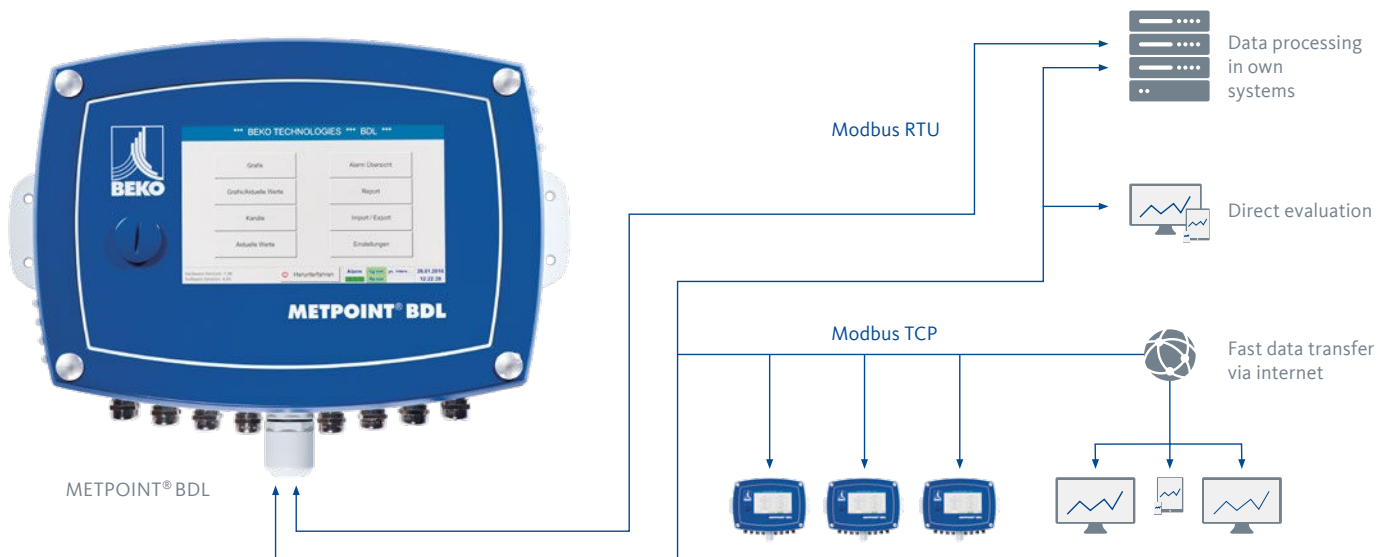
| For METPOINT® BDL compact | Option A Web server | Option B Calculation function | Option C Totaliser |
|---------------------------|------------------------|----------------------------------|-----------------------|
| Order no. | 4027872 | 402873 | 4027874 |

| For METPOINT® BDL compact | Power supply 24 VAC | METPOINT® READER software SW201 | METPOINT® Connect software |
|---------------------------|------------------------|---------------------------------------|-------------------------------|
| Order no. | on request | 4024218 | 4025454 |

Principle of METPOINT® BDL compact

The METPOINT® BDL compact is an advanced data logger with a display for the recording of critical parameters in compressed air and gas applications. The electronic recording system evaluates all incoming signals that are relevant for your application. The values are displayed and stored, so that you can track your process performance over time. All measurements and alarms are archived and can be transferred to the master control system. The data logger with display enables you to evaluate

your processes so that you can intervene quickly, should this be necessary. It caters for up to twelve analog and/or digital sensors that can be easily connected and configured as required. The 7" colour display with touch buttons shows all measured values, characteristics and exceedances. In combination with a consumption analysis, you are able to calculate your daily, weekly or monthly costs.



Do you have questions about the best way of processing your compressed air?

We have the answers! We offer efficient solutions for any type of processing chain. Please contact us with all your queries. We would be delighted to tell you more about our condensate

treatment, filtration, drying, measuring and process technology, and our comprehensive services.

Visit us at



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