



## Measurement technology | METPOINT® BDL

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

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

### Make quality visible – by recording it

The METPOINT® BDL data logger bundles all functions for effective quality control and energy management in a single device that captures all key parameters for compressed air processing. It converts them to user-friendly statistics and charts. You can therefore monitor the performance of your system in real time and take action when needed. The METPOINT® BDL data logger can be run as a stand-alone solution or integrated into an existing system. Thanks to its modular design, our device can be upgraded and retrofitted at any time to meet changing requirements. The data logger can be customised to suit your specific plant! With the METPOINT® BDL, you have all data you need at your fingertips.

The METPOINT® BDL data logger serves as a central signal processing unit for the visualisation of all relevant compressed air parameters, by generating user-friendly statistics and charts. One instrument caters for all your data recording and monitoring needs.

### › Access your data from anywhere in the world

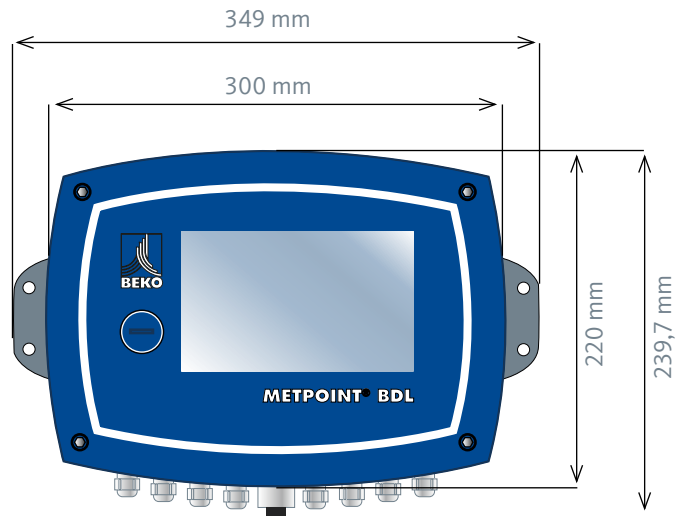
- › Standard Ethernet interface for network integration and internet connection
- › Integrated web server with browser interface
- › Access to process data from anywhere and at any time
- › Transfer of process data to control desks per TCP/RTU Modbus
- › Logger function as standard
- › Efficient process and cost analyses
- › Exceedance alarm signals

### › User-friendly and adaptable

- › 7" colour display with touch screen
- › Data representation in charts and tables
- › Ports for up to 12 sensors
- › Configurable mathematical operators for cost calculations
- › Process tracking
- › Data archiving for efficient quality management
- › Customised reports for various target groups

#### Technical data of METPOINT® BDL

Colour display	7" touch screen, TFT transmissive, for charts, curves and statistics
Supply voltage	100 ... 240 VAC / 50 ... 60 Hz, max. 75 VA
Supply voltage for sensors	Output voltage: 24 VDC $\pm$ 10% electrically insulated Output current: 130 mA in continuous mode, peak 180 mA Max. output current through all channels with - one power supply: 400 mA - two power supplies: 1 A
Ambient temperature	0 ... +50 °C
Storage and transport temperature	-20 ... +70°C
Protection class	IP 65
Connections	16x cable screws M12 x 1.5 clamping area 3-7 mm 1 X RJ45 Ethernet connection, nickel-plated brass
Interfaces	USB memory stick, USB cable, Ethernet/RS 485 Modbus RTU/TCP, SDI; other bus systems on request
Sensor inputs	4 / 8 / 12 sensor inputs for analogue (0-10V or 0/4-20 mA) and digital (RS485/ModBus RTU) sensors - freely assignable. Preconfigured for <b>BEKO TECHNOLOGIES</b> sensors. Analogue external sensors for pulse and PT100/PT1000.
Dimensions of wall-mounted housing	Dimensions: 300 x 220 x 109 mm
Weight	7.3 kg
Housing material	Powder-coated aluminium, polyester front foil
Outputs	4 relays (max. switching voltage: 400 VAC / 300 VDC, Switching current min. 10 mA, max. 6 A), alarm management, relay freely programmable, general alarm Analogue output and pulse for sensors with own signal output, looped, e.g. DP/FS series
Memory	4 GB memory card (standard)
Accuracy	See sensor specifications
Optional	Web server
Optional	Fast measuring with sensing rate of 10 ms for analog sensors, display of max./min. value per second
Optional	Consumption statistics, daily/weekly/monthly reports



METPOINT® BDL	BDL04	BDL08	BDL12
Order no.	4024288	4024289	4024290

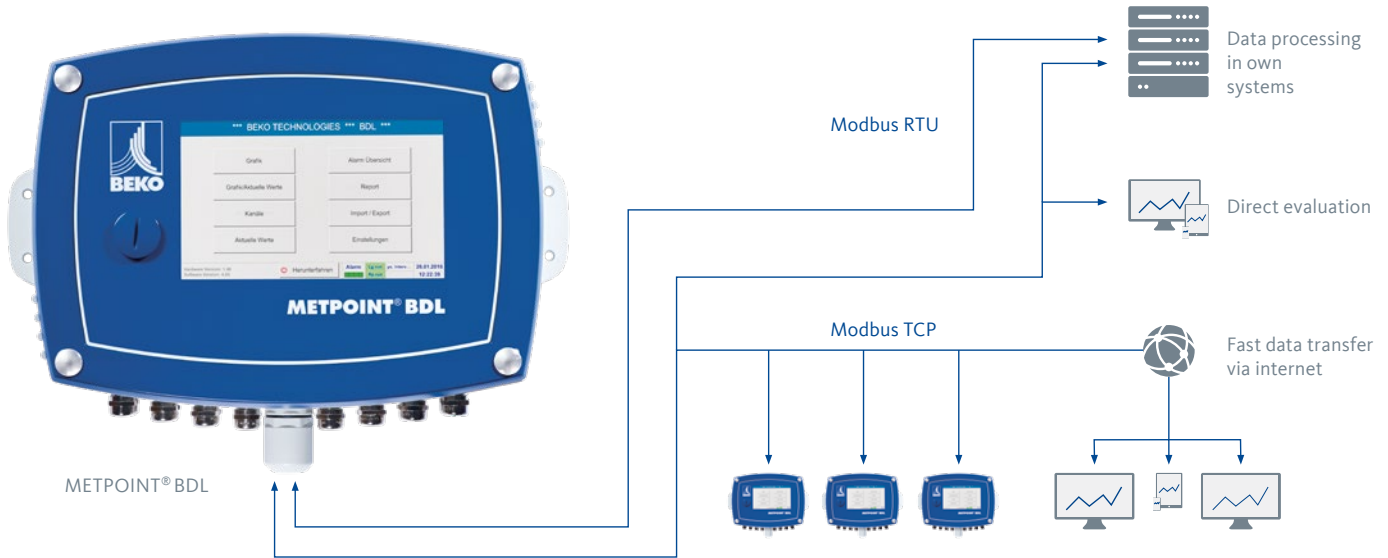
For METPOINT® BDL	Option A Web server	Option B Consumption calculation	Option C Quick measurement	Option B Calculation function
Order no.	4024291	4024292	4024294	4024293

For METPOINT® BDL	Option E Totaliser	Power supply 24 VDC	METPOINT® READER software SW201	METPOINT® Connect software
Order no.	4024295	on request	4024218	4025454

# Principle of METPOINT® BDL

The METPOINT® BDL is an advanced data logger with 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 recorder 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 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



**BEKO TECHNOLOGIES Ltd**

Unit 11-12 Moons Park  
Burnt Meadow Road  
North Moons Moat  
Redditch, B98 9PA

Phone +44 (0) 1527 575778  
info@beko-technologies.co.uk  
www.beko-technologies.co.uk



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