

Data Logger

Atlas Copco Optimization

Characteristics

- Plug-and-play monitoring station that collects, records and visualizes information about your compressed air system.
- No complicated setup required: just power up the data logger, connect the sensors and start monitoring instantly.
- Trigger alerts based on performance criteria set by you.
- Can store up to 100 million samples.
- Collect data from data logger to your Scada System via Modbus/RTU or Modbus/TCP.



Technical Specifications

Storage	Internal 100 million values
Sampling rate	Optional $\geq 1s$, Max 59 mm: 59 ss
Display	Integrated • Size: 5" high-resolution graphic display • Resolution: 800 x 480 pixels touch screen
Protection class	IP65
Approvals	CE
Housing	Wall mounting
Field bus interface	Modbus/TCP (Ethernet) Modbus/RTU (RS 485)
Data interface connection	Modbus/TCP (Ethernet) Modbus/RTU (RS 485), USB

Cable Connection

Cable entry diameter	4.5 ... 8 mm
Supply	AWG 12 ... AWG 24, 0.2 ... 2.5 mm ²
Signals	AWG 16 ... AWG 28, 0.14 ... 1.5 mm ²
Weight	2.12kg

Operating Conditions

Ambient temperature	0 ... + 50°C
Ambient humidity	<90% rH
Storage temperature	-20 ... + 70°C
Transport temperature	-20 ... + 60°C

Part Number	Name
1830147340	DL P50
Supply	
Power supply	85 ... 305 VAC, 60 W 18 ... 30 VDC, 60 W
Sensor supply	24V, 50W
Electrical connection	Screw Terminal connectors
Input / Output Signals	
Digital input	16 x RS-485 Modbus RTU Sensors 2 x 0 ... 20 mA / 4 ... 20 mA / 0 ... 10V
Analog input	2 x 0/4... 20 mA; 2 x 0 ... 19 V; 2 x pulse
Pulse input	100 Hz maximum; 28 V, 10 mA
Alarm output	2 relays, 230 VAC, 3 A, NC

