www.kytola.com

Kytola INSTRUMENTS

TOUCHSCREEN DISPLAY
KLD SMART

The Kytola® KLD Smart Touchscreen Display is designed to monitor and display flow rates and flow alarms measured by Kytola oval gear meters or other flow meters with pulse outputs.

KLD Smart is conveniently operated using a touchscreen, which enables easy monitoring of flow rates and alarms, and management of settings.

- Single or multi-channel models
- Stand-alone or connected to Kytola monitoring software or 3rd party system
- Pulse or mA input
- mA output
- Alarm relay
- Modbus RTU (RS-485), Modbus TCP (Ethernet) communication
- IP65
- Robust steel enclosure

ISO 9001 ISO 14001

FEATURES

- Flow measurement
- Totalizer counter and batching
- Multiple flow units
- Multiple flow alarm levels
- Visible indication of alarm type

TYPICAL APPLICATIONS

- Lubrication oil flow monitoring
- Industrial flow monitoring
- Process control
- Batching

KLD SMART TECHNICAL DATA

Model	KLDS-1	KLDS-8
Supply voltage	20 – 30 VDC	20 – 30 VDC
Supply current (maximum)	100 mA @ 24 VDC	150 mA @ 24 VDC 350 mA @ 24 VDC with mA outputs
Sensor types	Kytola coil, NAMUR, NPN, PNP	Kytola coil, NAMUR, NPN, PNP
Input frequency	0 – 5 kHz	0 – 400 Hz
Communication	Modbus RTU (RS-485), *Modbus TCP (Ethernet)	Modbus RTU (RS-485), *Modbus TCP (Ethernet)
Current output	1 pc, 4 – 20 mA, active or passive	*8 pcs, 4 – 20 mA, active
Current input	1 pc; linear, square root, table, custom unit	None
Relay output	1 pc NC, max. 48 VAC/DC, 100 mA	1 pc NC, max. 48 VAC/DC, 100 mA
Enclosure	Stainless steel AISI 316	Stainless steel AISI 316
Protection class	IP65	IP65
Ambient temperature	–20°C...+60°C (relative humidity < 85 %, non-condensing)	–20°C...+60°C (relative humidity < 85 %, non-condensing)
Dimensions	100 x 140 x 55 mm	150 x 160 x 80 mm
Weight	0,7 kg	1,5 kg

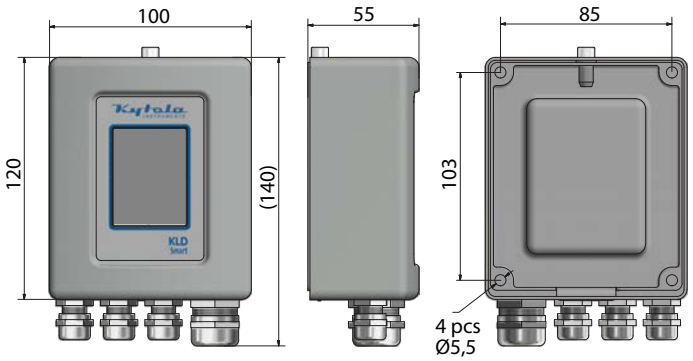
* Special construction

KLDS– 1 – ☐ – ☐

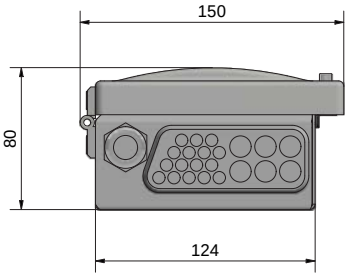
Number of input channels	1
Outputs	
Relay and mA output	M
Communication	
RS-485/Modbus RTU	0
RS-485/Modbus RTU and Ethernet/Modbus TCP	E

KLDS– 8 – ☐ – ☐ ☐

Number of input channels	8
Outputs	
Relay output	0
Relay and mA output	M
Communication	
RS-485/Modbus RTU	0
RS-485/Modbus RTU and Ethernet/Modbus TCP	E
SR Block	
KLDS-8 mounted on the left of the SR meter block	A
KLDS-8 without the SR meter block	C

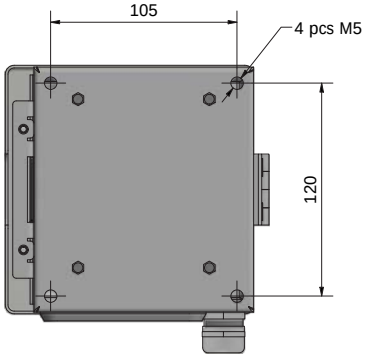


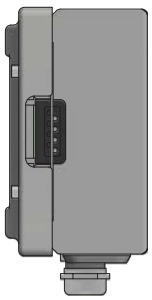
KLDS-1

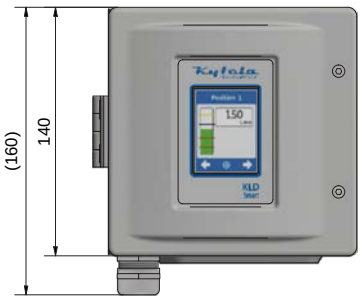


KLDS-8

KLDS-8 with SR6 meter block







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MANAGEMENT SYSTEM CERTIFICATION DNV ISO 9001 • ISO 14001

Kytola Instruments Oy
Olli Kytölän tie 1
FI-40950 Muurame, Finland
Tel. +358 20 779 0690
info@kytola.com