

Terminal head DANAWdie LED display

Model 23-00208

Design

Terminal head DANAWdie according to DIN 43 729 with LED display in the hinged cap. Mounting in the terminal head with two M4 screws at 33 mm center distance.

Example of use

Mounting of transmitter or terminal where local read out is required.

Maximum temperature

70 °C

LED Display LPI-01

4 figures, 0 to 3 decimals

Sealing

Oil consistent rubber

Part number

23-00208

Material

Polyester lacquered (grey) aluminium

Cable gland

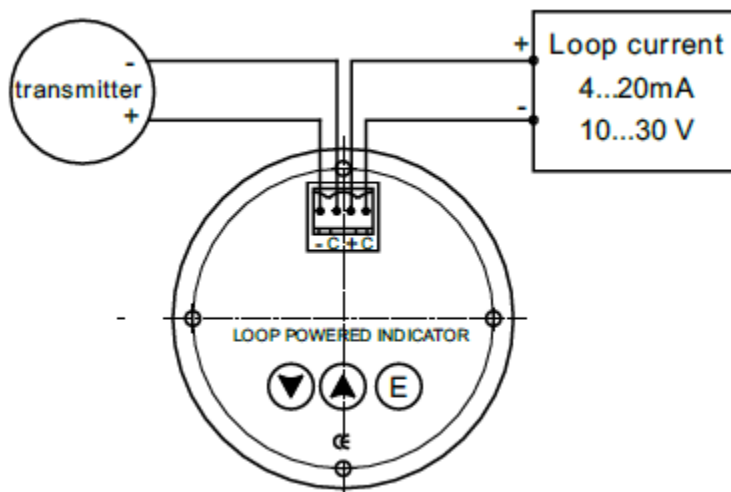
M20x1.5

CE marking

This product conforms to the relevant directives of the EU. For more information please contact Pentronic.

IP Code

IEC 60529: IP54-IP65














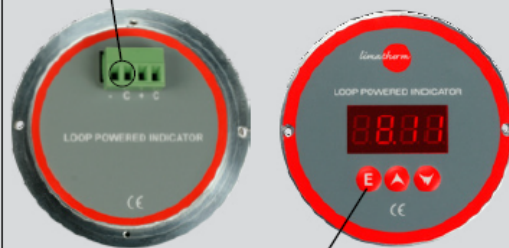









LED display Model LPI-01

TECHNICAL DATA			
Performances		Functionalities	
Reference operating condition	25°C	Parameters	Zero, span, decimal, point, refresh rate, unit
Max. Measured error	0,1% of the programmed range +/- 1 digit	Indication limits	-1999 to +9999
Influence of ambient temperature (tem. drift)	20ppm/°C of measuring range at 20°C as reference temperature	Programmable range	-1999 to +9999
Output signal	4...20 mA	Decimal points position	0, 1, 2, 3 decimals
Supply voltage	24V	Over-load limits	From 3.5 to 20.5 mA
Voltage drop out	3,3V at 4 mA and 3,7V at 20 mA	Refresh rate	From 1 to 10 second
Minimum current of LED activation	3.5 mA	Calibration points	Zero (4 mA) and span (20 mA), stored on FLASCH
Digits	LED, 4 digits 7 segments, height 9,5mm	Unit	°C, °F, °K, % in cycle: 4sec. value – 2sec. unit
Visible dimension	30x14	Mechanical construction	
Display characteristics	6400ucd for If=10mA	Electrical loop connection	2 terminals, max. wire section 1mm ² (16 AWG)
Data storage	FLASCH	Dimension	Ø64 x 19 mm
Storage period	10 years (non powered)	Weight	65g
Mounting	4 holes/90 Ø 4,2 on Ø 55	Short mark display closed in the connection head or measuringdie – standard version
Collaboration with Hart protocol transmitter	Yes	Application, Fixing	XD-I80di...-Fixing kit; Nr: KD-L1 DAN... Wdi...- directly by screw 2xM4x20 XE-DAN... Wdi. directly by screw 2xM4x20
Operating conditions			
Ambient temperature	-20...80°C		
Storage temperature	-30...80°C		
Moisture	25 bei 95% non condensating		
Ingress protection	IP 20		
Elektromagnetic compatibility	Carried out with positive results EN 61000, EN 55022		

SETUP INSTRUCTION

Fully programmable loop powered 4 digits LED display Type LPI -...

Overview		
1.	Indicator parameters	3.
	<p>LPI-01, LPI-02 is a programmable loop powered device which works between 4-20 mA. The score of measuring is based in accordance to set up parameters by buttons in menu, and is presented on the LED display.</p>	<p style="text-align: center;">Configuration</p> <p style="text-align: center;">Entry to Menu – press long E button</p>
	<p> Display will indicate low (-LO-) when the input current is lower than 3.5 mA</p>	<p>dp</p> <p>Set up decimal point DP Press E button enter page which inform about setting up decimal point. Press  and  button to change decimal position: - after decimal third digit (set up 3) - after decimal second digit (set up 2) - after decimal first digit (set up 1) - and extinction</p>
	<p> Display will indicate high (-HI-) when the input current is higher than 20.5 mA</p>	<p></p>
	<p> Display will indicate (----) when the input current is contained between -1999 to 9999, however input current situated outside indication limits.</p>	<p>2Ero</p> <p>Set up engineering value ZERO Press E button enter page which inform about setting up the value, during measuring input current 4 mA (point low). Press E button again to enter and set up the value. Press  or  button change to value between -1999 bis 9999 drücken.</p>
2.	Functionalities	<p></p>
	<p>Measuring range: from 4 to 20 mA Max. voltage drop out: 3,7 V Display LED: 4 digits, high 9,5 mm Indication limits: from -1999 to 9999 Sampling time: from 1 to 10 sec.</p>	<p>SPAN</p> <p>Set up engineering range SPAN Press E button enter page which inform about setting up the value during measuring input current 20 mA (point high Ph). Press E button again to enter and set up the value. Press  or  button change to value between -1999 to 9999.</p>
	View	<p>L</p> <p>Set up overload limit Li Press E button enter page which inform about setting up the value measuring input current 4 mA (point Low Pw), 20 mA (point High). Press  or  button to change: 0 for 4mA - 20mA, 1 for 3,6 mA – 20,4mA</p>
	<p>LPI-02</p> <p>Plug for connection to transmitter</p>  <p>Buttons for setting up</p>	<p>St</p> <p>Set up sampling time ST Press E button enter page which inform about setting up the measuring interval (sampling time). Press  or  change the value between 1 to 10 sec.</p>
	<p>LPI-01</p> <p>Plug for connection to supply unit</p>  <p>Buttons for setting up</p>	<p>Unit</p> <p>Set up engineering Unit Press E button enter page which inform about setting up Units. Press  or  button to change the unit –nonE- non displayed or displayed alternate with result: °C, °F, °K, % in cycle 4sec value – 2sec. unit.</p>
		<p>Exit from menu To exit from main menu and memory, press and hold  and  buttons. Exit is possible from each page.</p>

Subject to change without prior notice.

160215 Pentronic 11-00208 En