

LPD350 4-20mA/0-100.0

Weidmüller Interface GmbH & Co. KG

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3½- and 4½-character digital displays in two-wire design for current-loop signals.

The LPD350 is a compact, cost-effective, 3½-character LCD digital display designed specifically for current loop signals.

With its intrinsically safe digital display, the LDP450F is suitable for installation in the field. It is equipped with a 4½-character LCD display which can be read even under poor lighting conditions.

The loop-powered (two-wire) design allows for any supply of the digital display via the 4 – 20 mA current loop.

No additional wiring is needed for a power supply. The current loop will be interrupted and the display will be looped directly into the circuit.

General ordering data

Type	LPD350 4-20mA/0-100.0
Order No.	7940010163
Version	Signal converter/insulator, 4...20 mA
GTIN (EAN)	4032248565641
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	75 mm	Length (inches)	2.953 inch
Width	96.6 mm	Width (inches)	3.803 inch
Height	48.8 mm	Height (inches)	1.921 inch
Weight	219 g	Net weight	219 g

Temperatures

Humidity	0...90 % (no condensation)	Operating temperature, max.	70 °C
Operating temperature, min.	-20 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-25 °C	Operating temperature	-20 °C...70 °C
Storage temperature	-25 °C...85 °C		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Display

Display range	-1999...1999	Format	Single-line
Type	3.5 digits, black LCD with clear background, 12.7 mm		

Functions

Accuracy	± 0.05 % from signal range ± 1 digital step	Step response time	200 ms (10...90 %)
Temperature coefficient	Offset ± ± 0.1 digital steps per °C Adjustment range ± 0.1 digital steps per °C		

General data

Accuracy	± 0.05 % from signal range ± 1 digital step	Humidity	0...90 % (no condensation)
Input/Output	Current input	Repeat accuracy	± 0.05 % of signal range
Sampling rate	2,5 x pro s	Step response time	200 ms (10...90 %)
Temperature coefficient	Offset ± ± 0.1 digital steps per °C Adjustment range ± 0.1 digital steps per °C	Type of connection	Screw connection
Voltage drop	2.5 V @ 20 mA	Weight	219 g

Input

Input current	4...20 mA	Input current, max.	100 mA constant / 500 mA for 10 s
Input current, max. when wired incorrectly	500 mA constant	Input resistance	125 Ω
Offset	± 1999 digital steps in two switching ranges	Type	Current input

Insulation coordination

EMC standards DIN EN 61326

Creation date May 28, 2019 12:17:53 AM CEST

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Technical data

Settings

Accuracy	± 0.05 % from signal range ± 1 digital step	Offset	± 1999 digital steps in two switching ranges
Range of adjustment	0...3998 in three switching ranges	Repeat accuracy	± 0.05 % of signal range

Connection data

Type of connection	Screw connection	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Classifications

ETIM 3.0	EC001774	ETIM 4.0	EC001774
ETIM 5.0	EC001774	ETIM 6.0	EC000677
UNSPSC	30-21-18-01	eClass 6.2	27-21-09-90
eClass 7.1	27-21-09-90	eClass 8.1	27-21-09-90
eClass 9.0	27-14-31-10	eClass 9.1	27-21-03-01

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 4.1 ELECTR 16/17 EN
User Documentation	Manual

Data sheet

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Drawings

Electric symbol

