

LPD450F 4-20mA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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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	LPD450F 4-20mA
Order No.	7940010236
Version	Signal converter/disconnector, 4...20 mA
GTIN (EAN)	4032248565658
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	65 mm	Width	140 mm
Height	80 mm	Weight	472 g
Net weight	472 g		

Temperatures

Humidity	10...90 % (no condensation)	Operating temperature	0 °C...+60 °C
Storage temperature	-25 °C...+70 °C		

Functions

Accuracy	± 0.05 % from signal range ± 1 digital step	Step response time	Programmable in 99 steps from 1...30 sec.
Temperature coefficient	Offset ± 0.01 % / °C adjustment range ± 0.1 digital steps or 0.01 % / °C		

General data

Accuracy	± 0.05 % from signal range ± 1 digital step	Change of display	2 x per sec.
Data backup	≥ 100 years	Humidity	10...90 % (no condensation)
Input/Output	Current input	Repeat accuracy	± 0.01 % of signal range
Sampling rate	16 x pro s	Step response time	Programmable in 99 steps from 1...30 sec.
Supply voltage	Loop powered, via 4...20 mA input	Temperature coefficient	Offset ± 0.01 % / °C adjustment range ± 0.1 digital steps or 0.01 % / °C
Transmit function	$\sqrt{\quad}$, $x^{3/2}$, $x^{5/2}$ or programmable (2-21 steps)	Type of connection	Screw connection
Voltage drop	< 4.3 V	Weight	472 g

Input

Input current	4...20 mA
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Output

Transmit function	$\sqrt{\quad}$, $x^{3/2}$, $x^{5/2}$ or programmable (2-21 steps)
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Settings

Accuracy	± 0.05 % from signal range ± 1 digital step	Repeat accuracy	± 0.01 % of signal range
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Insulation coordination

EMC standards	DIN EN 61326
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Data sheet

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Technical data

Display

Decimal point	18888, 1.8888, 18.888, 188.88, 1888.8	Display range	±19.999 (0.00...100.00 factory setting)
Display value	Percentage or real value display	Type	4.5-character, black LCD with clear background, 20 mm

Classifications

ETIM 3.0	EC001774	UNSPSC	30-21-18-01
eClass 6.2	27-21-09-90	eClass 7.1	27-21-09-90

Product information

Descriptive text accessories	Fixing clip Pipe Mount Kit - 7940010667
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Approvals

Approvals



ROHS	Conform
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Downloads

Manual	Operating instructions german/english
Declaration of Conformity	Declaration of Conformity.pdf

Data sheet

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Drawings

Electric symbol

