



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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LPD450F 4-20mA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com



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).

LPD450F 4-20mA

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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

