

PTX800D RO/AO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

3 1/2-character digital displays with an auxiliary power supply in the 1/8 DIN IP 65 housing for installation in the control panel.

The DI350 is an inexpensive digital display for analogue current and voltage

signals in industrial applications. With this display, analogue signals can be displayed universally from 4 to 20 mA

or from 0 to 10 V.

An integrated regulated power supply can supply two-wire measuring transducers connected on the input side.

General ordering data

Version	Signal converter/insulator, 0...10 Hz, RO/AO version with 1 analogue output and 2 alarm outputs
Order No.	7940012323
Type	PTX800D RO/AO
GTIN (EAN)	4032248565849
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	48.8 mm	Height (inches)	1.921 inch
Length	137 mm	Length (inches)	5.394 inch
Net weight	437 g	Weight	438 g
Width	96.6 mm	Width (inches)	3.803 inch

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Alarm

Switching current	3 A @ 240 V AC, 5 A @ 24 V DC / 110 V AC (resistive load)	Type	2 relay contacts (CO)
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Analogue output

Load resistance current (analogue output)	$\leq 900 \Omega$	Load resistance voltage (analogue output)	$\geq 1 \text{ k}\Omega$
Residual ripple (analogue output)	$\leq 20 \text{ mV}_{\text{ss}}$	Resolution (analogue output)	1.6 μA or 0.8 mV / bit
Type (analogue output)	Current or voltage output, configured with jumper		

Display

Decimal point	Independently adjustable for partial or total display	Display value	Percentage or real value display
Partial display	Display range of 0...50.000 (5-digit)	Time range (partial display)	per sec, min, hour (and day for PTX800A)
Total display	Display from 0...99,999,999 (8 digits)	Total display, display range	Configurable (≤ 10 pulse per signal jump)
Type	8-digit, red LED, 7.2 mm 14 adjustable brightness levels		

General data

Data backup	≥ 100 years	Humidity	10...90 %, no condensation
Input/Output	With analogue/alarm output	Linearity	$< 0.05 \%$
Long-term drift	0.1 % / 10.000 h	Power consumption	6 W @ 24 V DC
Switching current	3 A @ 240 V AC, 5 A @ 24 V DC / 110 V AC (resistive load)	Type of connection	Screw connection
Voltage supply	24 V DC $\pm 10 \%$	Weight	438 g

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Input

Input signal	0...10 Hz	Input voltage	50 mV...250 V adjustable
Sensor supply		Type	Digital pulse (NAMUR, PNP/NPN, TTL logic, optocoupler, voltage pulse, no-voltage contacts)
	12 V DC to 25 mA		

Output

Residual ripple (analogue output)		Type	RO/AO version with 1 analogue output and 2 alarm outputs
	$\leq 20 \text{ mV}_{\text{ss}}$		

Insulation coordination

EMC standards	DIN EN 61326	Impulse withstand voltage	4 kV (1.2/50 μs)
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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 6.0	EC000677	ETIM 7.0	EC000677
ECLASS 9.0	27-14-31-10	ECLASS 9.1	27-21-03-01
ECLASS 10.0	27-14-31-10	ECLASS 11.0	27-14-31-10

Approvals

Approvals



ROHS	Conform
UL File Number Search	E256486

Downloads

User Documentation	Manual
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Drawings

Electric symbol

