PTX800A 4-20MA/RO/AO

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Data sheet for information only, Product is no longer available



Displays are used in industrial and process automation for the visual display of
data or for the analogue presentation of electrical and non-electrical measurement values.
They are an important tool for user prompting, diagnostics and logging
when operating machines and systems. Displays support dialogue-based operation, display measured values and fault reports, and are used to monitor
processes.
Features, such as the internal calculation of process variables, digital and analogue outputs
or interference suppression functions upgrade simple displays to high-quality
process interfaces which can independently control subprocesses .

General ordering data

Version	Input, Current/Voltage, Analogue output, Relay output
Order No.	7940014374
Type	PTX800A 4-20MA/RO/AO
GTIN (EAN)	4032248565825
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2022-04-15
Alternative product	7940010185

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Technical data

Dimensions and weights

Height	48.8 mm	Height (inches)	1.921 inch
Width	96.6 mm	Width (inches)	3.803 inch
Length	137 mm	Length (inches)	5.394 inch
Net weight	461 g		

Temperatures

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

Display

Decimal point	Independently adjustable for partial or total display	Display value	Percentage or real value display
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	0,001; 0,01; 0,1; 1; 10; 100; 1000	Type	8-digit, red LED, 7.2 mm 14 adjustable brightness levels

General data

Input/Output	With analogue/alarm output	Linearity	< 0.05 %
Long-term drift	0.1 % / 10.000 h	Power consumption	6 W @ 24 V DC
Type of connection	Screw connection	Type of mounting	Control panel assembly
Voltage supply	24 V DC ± 10 %		

Input

Input resistance	22 Ω (current input); 1 MΩ (voltage input)	Input signal	-24...+24 mA / -11...+11 V
Min. pulse duration (reset input)	250 ms	Sensor supply	24 V DC (up to 25 mA)
Type	Conversion of linear/quadratic input signals into analogue signals		

Output

Residual ripple (analogue output)	≤ 20 mV_{ss}	Type	RO/AO version with 1 analogue output and 2 alarm outputs

Output (analogue)

Type (analogue output)	Current of voltage output, configured with jumper

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 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	2.5 mm²

Classifications

ETIM 6.0	EC000677	ETIM 7.0	EC000677
ETIM 8.0	EC000677	ETIM 9.0	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
ECLASS 12.0	27-14-31-10	ECLASS 13.0	27-14-31-10

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E256486

Downloads

User Documentation	Manual
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

Electric symbol

