

PTX800A 4-20MA

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

www.weidmueller.com

Product is no longer available, Data sheet for information only



Devices in this series display universal analogue process values.

Depending on the version, the devices convert/isolate the signals into an analogue current signal and have additional limit value relays which switch further signals.

Features:

- Several sensor variants can be processed.
- An auxiliary power supply is required.
- Even in unfavourable lighting conditions, the display value is clearly visible.

General ordering data

Version	Signal converter/insulator, -24...+24 mA / -11...+11 V, RO/AO version with 1 analogue output and 2 alarm outputs
Order No.	7940010243
Type	PTX800A 4-20MA
GTIN (EAN)	4032248565818
Qty.	1 Stück
Delivery status	This article will no longer be available in the future.
Available until	2022-04-15
Alternative product	7940010185

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Technische Daten

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	384 g		

Temperatures

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

Analogue output

Load resistance current (analogue output)	≤ 900 Ω	Load resistance voltage (analogue output)	≥ 1 kΩ
Residual ripple (analogue output)	≤ 20 mV _{ss}	Resolution (analogue output)	1.6 µA or 0.8 mV / bit
Type (analogue output)	Current of voltage output, configured with jumper		

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	without 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	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
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Output (analogue)

Type (analogue output)	Current of voltage output, configured with jumper
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Erstellungs-Datum May 26, 2023 3:18:38 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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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
ETIM 8.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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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Zeichnungen

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Electric symbol

