

PTX800D/24VDC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Do not use product for new
developments



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 sub-processes .

General ordering data

Version	Input: frequency
Order No.	7940011133
Type	PTX800D/24VDC
GTIN (EAN)	4032248565832
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2024-03-28

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Technical data

Dimensions and weights

Depth	96 mm	Depth (inches)	3.78 inch
Height	48 mm	Height (inches)	1.89 inch
Width	137 mm	Width (inches)	5.394 inch
Length	137 mm	Length (inches)	5.394 inch
Net weight	373 g		

Temperatures

Storage temperature	-25 °C...70 °C	Operating temperature	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Display

Decimal point	Independently adjustable for partial or total display, 99.99	Display range	-999...9999
Display value	Percentage or real value display	Scaling	Variable
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

Accuracy	0.1 % of FSR	Configuration	DIP switch
Cut-off frequency (-3 dB)	5 Hz	DIN Rail compatibility	Yes
Input/Output	without analogue/alarm output	Linearity	<0.05 %, <0.1 % typ.
Long-term drift	0.1 % / 10.000 h	Power consumption	6 W @ 24 V DC
Protection degree	IP20, IP65	Step response time	300 ms (10...90 %)
Temperature coefficient	<0.02 % / °C	Type of connection	Screw connection
Type of mounting	Control panel assembly, Front mounting	Voltage supply	24 V DC ± 10 %

Input

Input signal	0...10 Hz	Input voltage	50 mV...250 V adjustable
Min. pulse duration (reset input)	100 ms	Min. step response time	300 ms (10...90 %)
Number of inputs	1	Response time	<50 ms
Sensor supply		Type	Digital pulse (NAMUR, PNP/NPN, TTL logic, optocoupler, voltage pulse, no-voltage contacts)
	12 V DC to 25 mA		

Output

Number of channels	1	Residual ripple (analogue output)	≤ 20 mV _{ss}
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Output (digital)

Contact material	AgNi	Status indicator	LED
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Output (analogue)

Number of analogue outputs	1	Type (analogue output)	Current of voltage output, configured with jumper
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Insulation coordination

EMC standards	DIN EN 61326, EN 61326	Impulse withstand voltage	4 kV (1.2/50 µs)
Pollution severity	2	Standard	EN 50178

Connection data

Wire connection method	Screw connection	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	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2 mm ²		

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
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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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www.weidmueller.com**Drawings****Electric symbol**