

Product is no longer available,
Data sheet for information only



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 items
Delivery status	Discontinued
Available until	2024-03-28T00:00:00+01:00

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E256486

Dimensions and weights

Depth	96 mm	Depth (inches)	3.7795 inch
Height	48 mm	Height (inches)	1.8898 inch
Width	137 mm	Width (inches)	5.3937 inch
Length	137 mm	Length (inches)	5.3937 inch
Net weight	351.2 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1

Display

Display range	-999...9999	Display value	Percentage or real value display
Total display, display range	Configurable (≤ 10 pulse per signal jump)	Total display	Display from 0...99,999,999 (8 digits)
Type	8-digit, red LED, 7.2 mm 14 adjustable brightness levels	Time range (partial display)	per sec, min, hour (and day for PTX800A)
Decimal point	Independently adjustable for partial or total display, 99.99	Scaling	Variable

General data

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

Input

Number inputs	1	Type	Digital pulse (NAMUR, PNP/NPN, TTL logic,
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PTX800D/24VDC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Min. pulse duration (reset input)	100 ms	Sensor supply	12 V DC to 25 mA
Min. step response time	300 ms (10...90 %)	Input signal	0...10 Hz
Input voltage	50 mV...250 V adjustable	Response time	<50 ms

optocoupler, voltage pulse,
no-voltage contacts)

Output

Number of channels	1	Residual ripple (analogue output)	≤ 20 mVss
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Output (analogue)

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

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

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 8.0	EC000677	ETIM 9.0	EC000677
ETIM 10.0	EC000677	ECLASS 14.0	27-14-31-10
ECLASS 15.0	27-14-31-10		

Drawings

Electric symbol

