

## PTX800D

Weidmüller Interface GmbH &amp; Co. KG

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Frequency meter and totaliser with additional functions and external power supply for installation in control panels.

The PMX400 series offers high-quality 4-character LED displays in 1/8 DIN format with additional functions. A variety of frequency signals can be processed with the displays. On the output side, optional analogue signals are available, as well as either two or four relay contacts for limit-value monitoring.

The programmable meter components from the PTX800 series with 8-bit digital display: capable of processing input-side TTL signals or optional pulses from NAMUR and NPN/PNP sensors.

Comprehensive linearisation and interference-suppression functions are available for processing measurement signals. An mA/V analogue signal and two CO contacts for limit-value monitoring are optionally available on the output side.

Both counters feature 24-VDC voltage for supplying external two-wire sensors.

## General ordering data

Type	PTX800D
Order No.	<a href="#">7940011133</a>
Version	Signal converter/insulator, 0...10 Hz
GTIN (EAN)	4032248565832
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	137 mm	Length (inches)	5.394 inch
Width	96.6 mm	Width (inches)	3.803 inch
Height	48.8 mm	Height (inches)	1.921 inch
Weight	374 g	Net weight	374 g

## Temperatures

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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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 $\mu\text{A}$ 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
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 ( $\leq 10$ pulse per signal jump)
Type	8-digit, red LED, 7.2 mm 14 adjustable brightness levels		

## General data

Data backup	$\geq 100$ years	Humidity	10...90 %, no condensation
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 $\pm 10 \%$
Weight	374 g		

## Input

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

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## Insulation coordination

EMC standards	DIN EN 61326	Impulse withstand voltage	4 kV (1.2/50 µs)
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## Output

Residual ripple (analogue output)	≤ 20 mV <sub>ss</sub>	Type	RO/AO version with 1 analogue output and 2 alarm outputs
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## Pulse output

Cut-off time (pulse output)	min. 32 ms	Display value (pulse output)	1 pulse per signal jump on the total display
Pulse duration	32 ms	Pulse rate, max. (pulse output)	16 / s
Type (pulse output)	Transistor output		

## Reset input

Function (reset input)	Complete reset (display / alarm)	Min. pulse duration (reset input)	100 ms
Type (reset input)	NO contact		

## Connection data

Type of connection	Screw connection	Clamping range, rated connection	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>

## Classifications

ETIM 3.0	EC001774	ETIM 4.0	EC001774
ETIM 5.0	EC001774	ETIM 6.0	EC000677
UNSPSC	30-21-18-01	eClass 6.2	27-21-09-90
eClass 7.1	27-21-09-90	eClass 8.1	27-21-09-90
eClass 9.0	27-14-31-10	eClass 9.1	27-21-03-01

## Approvals

Approvals



ROHS Conform

## Downloads

Brochure/Catalogue	<a href="#">CAT 4.1 ELECTR 16/17 EN</a>
User Documentation	<a href="#">Manual</a>

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**Drawings**

**Electric symbol**

