

PTX800D**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



3 1/2-character digital displays with an auxiliary power supply in the 1/8 DIN IP 65 housing for installation in the control panel.

The DI350 is an inexpensive digital display for analogue current and voltage

signals in industrial applications. With this display, analogue signals can be displayed universally from 4 to 20 mA

or from 0 to 10 V.

An integrated regulated power supply can supply two-wire measuring transducers connected on the input side.

General ordering data

Version	Signal converter/insulator, 0...10 Hz, RO/AO version with 1 analogue output and 2 alarm outputs
Order No.	7940011133
Type	PTX800D
GTIN (EAN)	4032248565832
Qty.	1 pc(s).

PTX800D

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

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

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

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 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
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 (≤ 10 pulse per signal jump)
Type	8-digit, red LED, 7.2 mm 14 adjustable brightness levels		

General data

Data backup	≥ 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		Type	Digital pulse (NAMUR, PNP/NPN, TTL logic, optocoupler, voltage pulse, no-voltage contacts)
	12 V DC to 25 mA		

PTX800D

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Output

Residual ripple (analogue output)	Type	RO/AO version with 1 analogue output and 2 alarm outputs
$\leq 20 \text{ mV}_{\text{ss}}$		

Insulation coordination

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

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
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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E256486

Downloads

User Documentation	Manual
--------------------	------------------------

PTX800D

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

www.weidmueller.com

Drawings

Electric symbol

