

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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, Analogue output, Relay output |
| Order No.       | <a href="#">7940012323</a>                      |
| Type            | PTX800D/24VDC/RO/AO                             |
| GTIN (EAN)      | 4032248565849                                   |
| Qty.            | 1 items                                         |
| Delivery status | Discontinued                                    |
| Available until | 2024-03-28T00:00:00+01:00                       |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E256486

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Height     | 48.8 mm | Height (inches) | 1.9213 inch |
| Width      | 96.6 mm | Width (inches)  | 3.8031 inch |
| Length     | 137 mm  | Length (inches) | 5.3937 inch |
| Net weight | 437 g   |                 |             |

## Temperatures

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

## Environmental Product Compliance

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

## Display

|                              |                                          |                              |                                                             |
|------------------------------|------------------------------------------|------------------------------|-------------------------------------------------------------|
| Display value                | Percentage or real value display         | Total display, display range | Configurable ( $\leq 10$ pulse per signal jump)             |
| Total display                | Display from 0...99,999,999 (8 digits)   | Type                         | 8-digit, red LED, 7.2 mm<br>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       |

## General data

|                    |                        |                |                            |
|--------------------|------------------------|----------------|----------------------------|
| Type of connection | Screw connection       | Input/Output   | With analogue/alarm output |
| Type of mounting   | Control panel assembly | Supply voltage | 24 V DC $\pm 10$ %         |
| Long-term drift    | 0.1 % / 10.000 h       | Linearity      | <0.05 %                    |
| Power consumption  | 6 W @ 24 V DC          |                |                            |

## Input

|               |                                                                                            |                                   |           |
|---------------|--------------------------------------------------------------------------------------------|-----------------------------------|-----------|
| Type          | Digital pulse (NAMUR, PNP/NPN, TTL logic, optocoupler, voltage pulse, no-voltage contacts) | Min. pulse duration (reset input) | 100 ms    |
| Sensor supply | 12 V DC to 25 mA                                                                           | Input signal                      | 0...10 Hz |
| Input voltage | 50 mV...250 V adjustable                                                                   |                                   |           |

## Output

|                                   |                |
|-----------------------------------|----------------|
| Residual ripple (analogue output) | $\leq 20$ mVss |
|-----------------------------------|----------------|

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## Output (analogue)

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Type (analogue output) | Current of voltage output,<br>configured with jumper |
|------------------------|------------------------------------------------------|

## Insulation coordination

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

## 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 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

