

DI350 4-20mA/0-100.0

Weidmüller Interface GmbH & Co. KG

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Germany

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3½-character LCD digital displays with an auxiliary power supply in 1/8 DIN IP65 housing for installation in the control panel.

The DI350 is an inexpensive digital display for use in industrial applications with analogue current and voltage signals. With this display, analogue signals can be displayed from 4 to 20 mA or from 0 to 10 V.

An integrated power supply can be used to supply power to a 2-wire measuring transducer connected to the input side.

General ordering data

| | |
|------------|---------------------------------------|
| Type | DI350 4-20mA/0-100.0 |
| Order No. | 7940010185 |
| Version | Signal converter/insulator, 4...20 mA |
| GTIN (EAN) | 4032248564316 |
| 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 | 338 g | Net weight | 338 g |

Temperatures

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

Display

| | | | |
|---------------|------------------------------------------------|---------------|----------------------------------|
| Display range | -1999...1999 | Display value | Percentage or real value display |
| Format | 1-line / decimal point: 1.000, 100.0, 10.00 | Type | 3.5 digits, red LED, 14.2 mm |

Functions

| | | | |
|--------------------|--------------------|-------------------------|---------------|
| Step response time | 200 ms (10...90 %) | Temperature coefficient | ≤ 0.02 % / °C |
|--------------------|--------------------|-------------------------|---------------|

General data

| | | | |
|--------------------|----------------------------|-------------------------|-----------------------|
| Humidity | 0...90 % (no condensation) | Input/Output | Voltage/current input |
| Linearity | < 0.1 % typ. | Long-term drift | 0.1 % / 10.000 h |
| Power consumption | 6 W @ 24 V DC | Step response time | 200 ms (10...90 %) |
| Supply voltage | 24 V DC (12...35 V DC) | Temperature coefficient | ≤ 0.02 % / °C |
| Type of connection | Screw connection | Weight | 338 g |

Input

| | | | |
|------------------|--------------------------|------------------------------------|-----------------------|
| Input resistance | 22 Ω | Input signal | 4...20 mA |
| Offset | ± 1200 digital steps | Supply voltage (loop-powered mode) | 24 V DC (up to 25 mA) |
| Type | Analogue current signals | | |

Insulation coordination

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

Loop powered mode

| | |
|------------------------------------|-----------------------|
| Supply voltage (loop-powered mode) | 24 V DC (up to 25 mA) |
|------------------------------------|-----------------------|

Settings

| | | | |
|--------|----------------------|---------------------|-------------------------|
| Offset | ± 1200 digital steps | Range of adjustment | 20 - 2100 digital steps |
|--------|----------------------|---------------------|-------------------------|

Connection data

| | | | |
|----------------------------------------|---------------------|----------------------------------------|---------------------|
| Type of connection | Screw connection | Clamping range, rated connection | 1.5 mm ² |
| Clamping range, rated connection, min. | 0.5 mm ² | Clamping range, rated connection, max. | 2.5 mm ² |

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Technical data**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 | 27-21-09-90 | eClass 9.1 | 27-21-03-01 |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|--------------------|-----------------------------------------|
| Brochure/Catalogue | CAT 4.1 ELECTR 16/17 EN |
| User Documentation | Manual |

Data sheet

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Drawings

Electric symbol

