

# DI350

## 3 1/2-digit digital display with auxiliary power

The DI350 is an inexpensive 3 1/2-digit digital display for analogue current and voltage signals, for use in industrial applications. With this display, analogue signals from 4...20 mA or 0...10 V can be displayed.

**D**

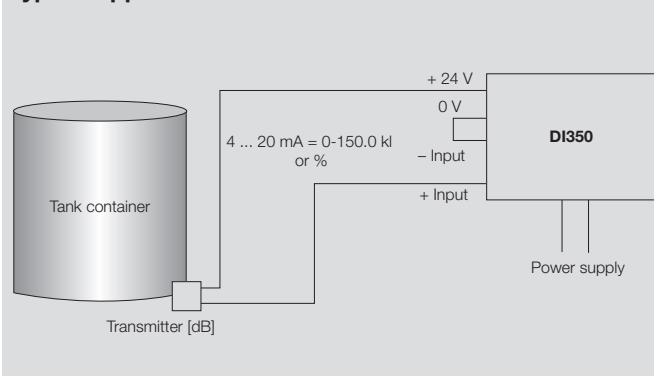
An integrated regulated power supply can be used to supply two-wire transmitters.

The decimal point can be moved to any of the positions (1.XXX, 1X.XX, 1XX.X or 1XXX) so that it can display values in any range.

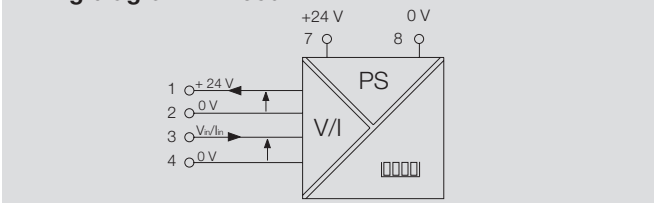
The bright seven-segment LEDs are easily visible even in weak lighting. The special filtering properties of the front face give it a wide viewing angle.

The DIN-standard 1/8 front panel with IP65 protection ensures reliable operation in wet areas. The connection uses pluggable screw-connection elements.

### Typical application of DI350

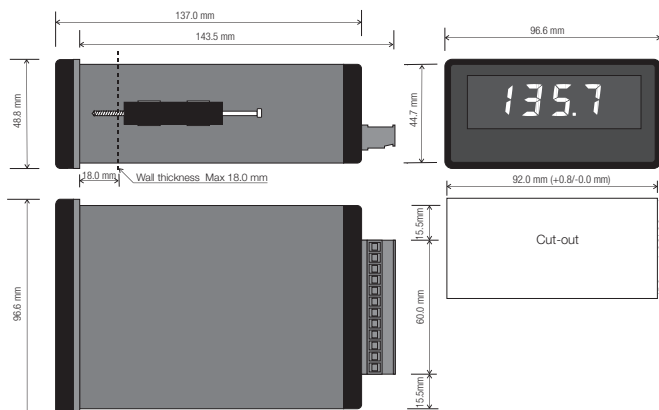


### Wiring diagramm DI350



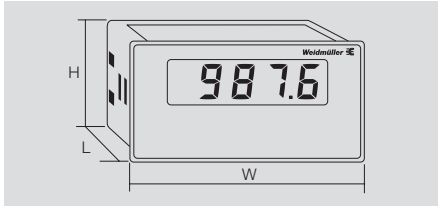
### Connections

Terminal	Signal		
1	24 V DC power supply sensor	Inputs	
2	0 V DC power supply sensor		
3	Input signal +		
4	Input signal -		
5	Not used		
6			
7	L -	Supply voltage	
8	L +		



**DI350**

- Display instrument for control panel installation
- 1/8 DIN standard front
- 3 1/2 Digits
- IP65 fully insulated
- Pluggable connection terminals



**Technical data**

<b>Input</b>
Type
Input signal
Input resistance
Supply voltage
<b>Display</b>
Type
Display range
Display value
Format
<b>Settings</b>
Fine calibration
Offset
Range of adjustment
<b>General data</b>
Voltage supply
Power consumption
Linearity
Humidity
Temperature coefficient
Long-term drift
Step response time
Impulse withstand voltage
Insulation voltage
Operating temperature/Storage temperature
EMC standards
Approvals

<b>Data of Housing</b>	
Clamping range (rating- / min. / max.)	mm²
Type of connection / Terminal rail	
Type of Housing / Weight	
Length x width x height	mm

<b>Note</b>
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**Ordering data**

<b>Type</b>
Voltage/current input
Special adjustment

<b>Note</b>
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**Accessories**

<b>Note</b>
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**DI350**

**Display with voltage inputs**



- Integrated power supply for external sensors
- Linearity with an accuracy of 0.1% of the measuring range
- Complete electrical isolation

<b>Input</b>
Analog voltage signals
0...10 V
1 MΩ
24 V DC (up to 25 mA)
<b>Display</b>
3.5 digits, red LED, 14.2 mm
-1999...1999
Percentage or real value display
1-line / decimal point: 1.000, 100.0, 10.00
<b>Settings</b>
Potentiometer, 22 turns
± 1200 digital steps
20 - 2100 digital steps
<b>General data</b>
24 V DC (12...35 V DC)
6 W @ 24 V DC
< 0.1 % typically
0...90 % (no condensation)
≤ 0.02 % / °C
0.1 % / 10,000 h
200 ms (10...90 %)
4 kV (1.2/50 μs)
1 kV input / supply
0 °C...+60 °C/-25°C...+70°C
DIN EN 61326
CE; cULus

<b>Data of Housing</b>	
Clamping range (rating- / min. / max.)	mm²
Type of connection / Terminal rail	
Type of Housing / Weight	
Length x width x height	mm

<b>Note</b>
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<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
DI350 0-10V/0-100.0	1	7940011570
DI350 Variabel	1	8944950000

<b>Note</b>
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<b>Note</b>
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**DI350**

**Display with current inputs**



- Integrated power supply for external sensors
- Linearity with an accuracy of 0.1% of the measuring range
- Complete electrical isolation

<b>Input</b>
Analog voltage signals
4...20 mA
22 Ω
24 V DC (up to 25 mA)
<b>Display</b>
3.5 digits, red LED, 14.2 mm
-1999...1999
Percentage or real value display
1-line / decimal point: 1.000, 100.0, 10.00
<b>Settings</b>
Potentiometer, 22 turns
± 1200 digital steps
20 - 2100 digital steps
<b>General data</b>
24 V DC (12...35 V DC)
6 W @ 24 V DC
< 0.1 % typically
0...90 % (no condensation)
≤ 0.02 % / °C
0.1 % / 10,000 h
200 ms (10...90 %)
4 kV (1.2/50 μs)
1 kV input / supply
0 °C...+60 °C/-25°C...+70°C
DIN EN 61326
CE; cULus

<b>Data of Housing</b>	
Clamping range (rating- / min. / max.)	mm²
Type of connection / Terminal rail	
Type of Housing / Weight	
Length x width x height	mm

<b>Note</b>
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<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
DI350 4-20mA/0-100.0	1	7940010185
DI350 Variabel	1	8944950000

<b>Note</b>
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<b>Note</b>
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