

Digital Panel Meters 43 Series

3 1/2 DIGIT 2-WIRE DC PANEL METER

MODEL **43AL**

MODEL & SUFFIX CODE SELECTION

MODEL _____ **43AL**

INPUT: 4 – 20mA DC

ORDERING INFORMATION

Specify code number and variables. If the display scale is not specified at the time of ordering, the unit will be shipped with the default range 0 – 1999.

- **Code number** (e.g. 43AL)
- **Display scale** (e.g. 0 – 100.0)

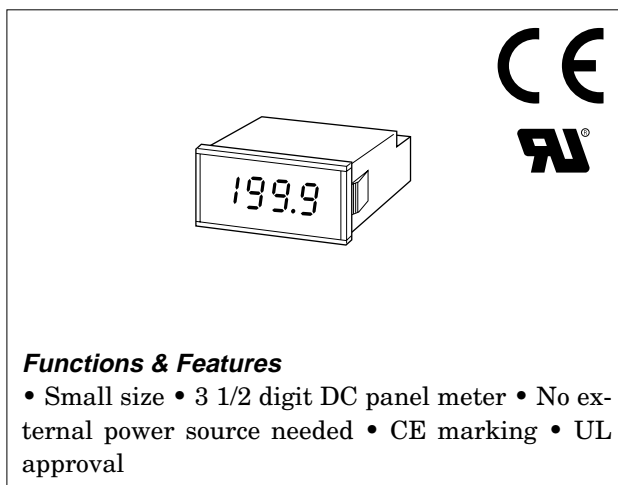
Three lower-digit zeros are displayed for the zero display. For example, the display shows '00.0' with 0 – 100.0 range.

GENERAL SPECIFICATIONS

- Construction:** Panel flush mounting
- Connection:** Terminal block
- Housing material:** Flame-resistant resin (black)
- Input configuration:** Dual-slope integration
- Scaling:** Analog scaling; potentiometer on the top

DISPLAY

- LED:** Character height 10.16 mm (.4"), 7-segment, red
- Number of display digits:** 3 1/2
- Maximum display range:** 1999
- Scaling factor for process meter**
 - Zero:** ±200 counts
 - Span:** 100 to 1999 counts
- Decimal point position:** 3 positions selectable with internal DIP SW behind the cover
- Polarity sign:** Minus (–) sign added automatically according to the computation result
- Read rate:** Approx. 2.5/s
- Over-range warning:** The MSD shows '1' with all other digits OFF with 1999 or greater input



Functions & Features

- Small size • 3 1/2 digit DC panel meter • No external power source needed • CE marking • UL approval

INPUT

■ **DC CURRENT:** 4 – 20mA DC
Voltage drop*: Approx. 5.0V with 4mA; approx. 5.3V with 20mA

*The minimum required supply voltage to the 2-wire transmitter added with the indicator's voltage drop at the maximum input current must be within the output voltage range of the 2-wire transmitter's excitation supply.

INSTALLATION

- Operating temperature:** 0 to 50°C (32 to 122°F)
- Operating humidity:** 35 to 85% RH (non-condensing)
- Mounting:** Panel flush mounting
- Dimensions:** W48×H24×D40 mm (1.89"×0.94"×1.57")
- Weight:** 30 g (1.1 oz)

PERFORMANCE in percentage of reading

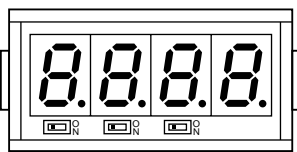
- Accuracy:** ±(0.1% of FS + 1 digit)
- Temp. coefficient:** ±0.3 digits/°C (±0.17 digits/°F)
- Dielectric strength:** 500V AC @1 minute (input [LO] to grounding [E] terminal)

STANDARDS & APPROVALS

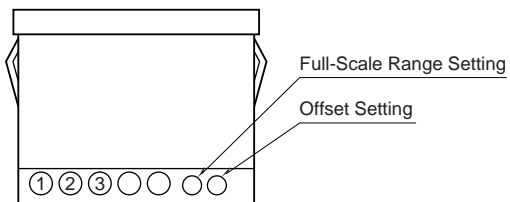
- CE conformity:** EMC Directive (89/336/EEC)
EMS EN61000-6-2
- Approval:** UL (UL 508)

DECIMAL POINT POSITION

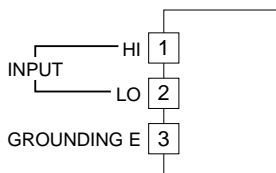
Remove the front acrylic cover and set the DIP SW located below each digit.



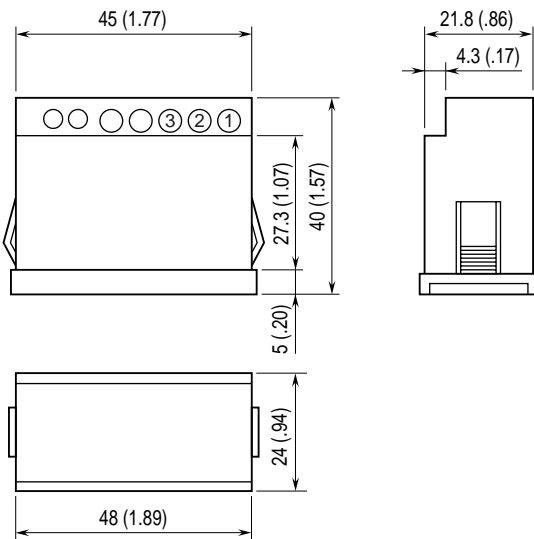
TOP VIEW



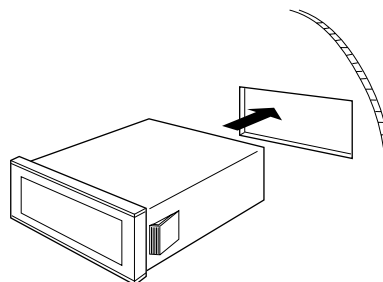
CONNECTION DIAGRAM



EXTERNAL DIMENSIONS mm (inch)

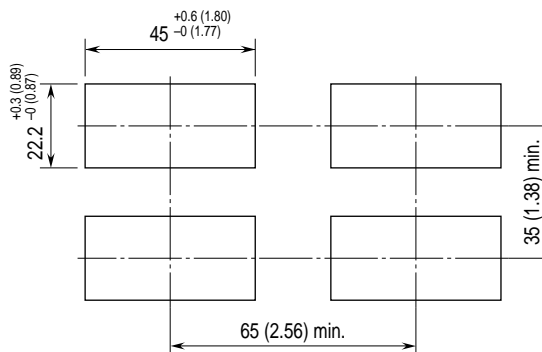


MOUNTING REQUIREMENTS mm (inch)



Just insert the meter body (snap-in method).

■ PANEL CUTOUT



Panel Thickness: 0.8 – 3.5 mm (0.03 – 0.14 in.)