

**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)

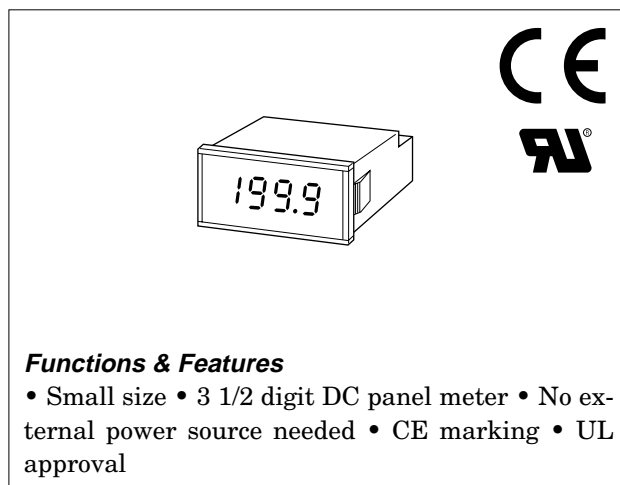
Three lower-digit zeros are displayed for the zero display. For example, the display shows '00.0' with 0 – 100.0 range.

**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**

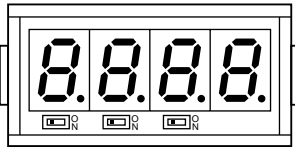
- Accuracy:** ±(0.1% of FS + 1 digit)
- Temp. coefficient:** ±0.3 digits/°C (±0.17 digits/°F)
- Dielectric strength:** 500V AC @1 minute (input [LO] to grounding [E] terminal)

**STANDARDS & APPROVALS**

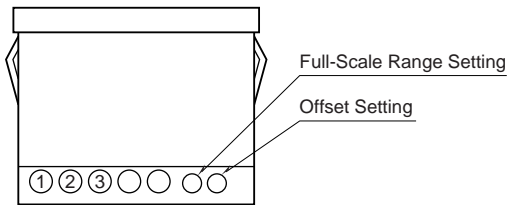
- CE conformity:** EMC Directive (89/336/EEC)  
EMS EN61000-6-2
- Approval:** UL (UL 508)

**DECIMAL POINT POSITION**

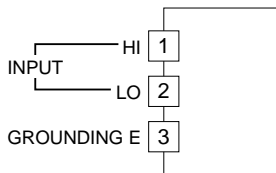
Remove the front acrylic cover and set the DIP SW located below each digit.



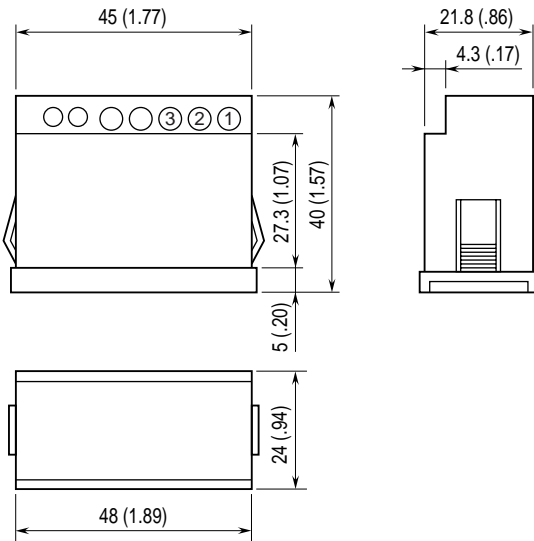
**TOP VIEW**



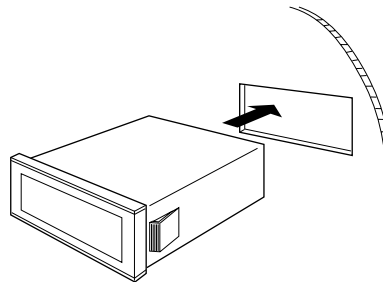
**CONNECTION DIAGRAM**



**EXTERNAL DIMENSIONS mm (inch)**

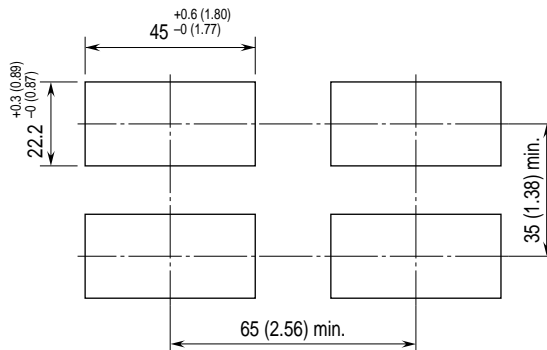


**MOUNTING REQUIREMENTS mm (inch)**



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

**■ PANEL CUTOUT**



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

Specifications subject to change without notice.