

## AM-30, AM-30R1 & AM-30R2

### 31 Segment Bargraph 7 Header Selectable Input Ranges in a 1/16 DIN Case

**5V DC Powered LED Bargraph with Optional Single or Dual Setpoints.**

#### General Features

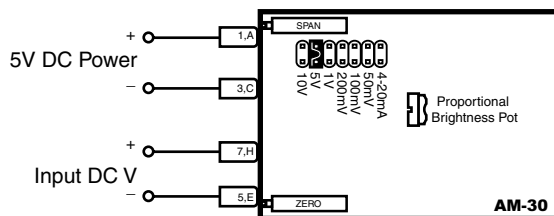
The AM-30 is a 31-segment 5VDC powered red, green, or amber LED bargraph in a compact DIN case (96x24mm) with a short depth (56.5mm/2.23"). It can be ordered in either a horizontal or vertical format. Single or dual setpoints are available as options. The setpoints are easily adjustable by the user from the front of the meter.

There are seven header selectable input ranges of 50mV, 100mV, 200mV, 1V, 5V, 10V and 4-20mA. The meter comes standard with a scale of 0 – 100%, but any required scale and unit of readout can be specially ordered. The meter may also be ordered with a dot mode display option.

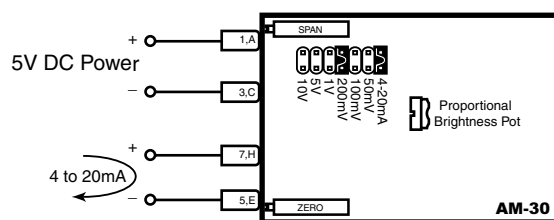
The AM-30 uses a 30-pin PCB edge card connector or optionally a Push-On™ screw terminal connector may be used (see ordering information on page 8). This bargraph is designed especially for use in process applications where a low cost visual analog indication is required.

#### Typical Application Connections

**AM-30/AM-30R1/AM-30R2 with DC Volt Input.**

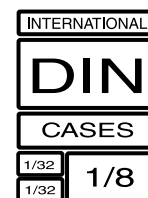


**AM-30/AM-30R1/AM-30R2 with 4 to 20mA Input.**



#### Compatibility

The AM-Series have a matching DIN case style that is complementary to the Lynx, Leopard and Tiger family of meters. AM-Meters are the OEM's choice for economical switchboard and process indication. For economy, each model is dedicated to a specific application and designed for quick and easy installation.



#### Specifications

**Input Configuration:** .....Single ended

**Full Scale Ranges:** .....50mV/100mV/200mV/1V/5V/10V/4-20mA

**Input Impedance:** .....> 500kΩ for voltage inputs  
13Ω for 4 to 20mA inputs

**A/D Converter:** .....Flash converter

**Accuracy:** .....1% of full scale

**Temperature Coefficient:**...200ppm/°C (typical)

**Warm Up Time:**.....Instantly reads to specified accuracy

**Conversion Rate:**.....Instantaneous flash conversion

**Display:**.....Thirty-one 0.20" X 0.06" (5.08mm X 1.52mm) bar segments

**Polarity:** .....Operates with positive polarity signals only

**Power Supply:**.....5VDC @ 300mA, 1.5 watt

**Operating Temperature:**...-10°C to 60°C

**Storage Temperature:**.....-20°C to +70°C

**Relative Humidity:** .....95% (non condensing)

**Case Dimensions:** .....Bezel: 24X96 mm (0.95" X 3.78")  
Depth behind bezel: 56.5 mm (2.23")  
Plus 27 mm (1.06") for Push-on connector  
or plus 17.5 mm (0.69") for Edge connector

**Weight:**.....90.72 gms (3.2 oz)  
136.1 gms (4.8 oz) when packed