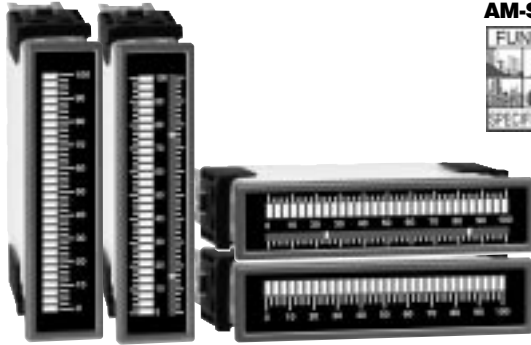




AM-30, AM-30R1 & AM-30R2

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

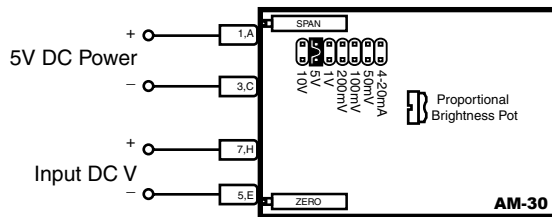
The AM-30 is a 31-segment 5VDC powered red, green, or amber LED bargraph in a compact DIN case (96x24mm) with a short depth (56.5mm/2.23"). It can be ordered in either a horizontal or vertical format. Single or dual setpoints are available as options. The setpoints are easily adjustable by the user from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

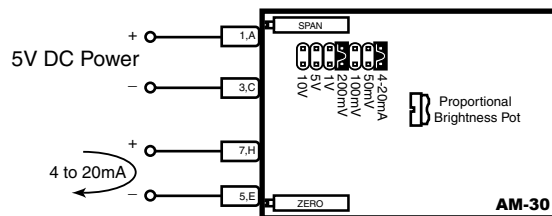
The AM-30 uses a 30-pin PCB edge card connector or optionally a Push-On™ screw terminal connector may be used (see ordering information on page 8). This bargraph is designed especially for use in process applications where a low cost visual analog indication is required.

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

AM-Series, the choice for easy user adjustability

AM-30Red 31 Seg. Bargraph, 0.05/0.1/0.2/1/5/10VDC/4-20mA
AM-30R1Red 31 Seg. Bargraph, 1 VDC std w/one 2 A/120 VAC relay

AM-30R2Red 31 Seg. Bargraph, 1 VDC std w/two 2 A/120 VAC relays

Case Dimensions and Panel Cutouts

PANEL CUTOUT

Case will mount in standard 1/16 DIN cutouts

Panel adaptor plates are available to retrofit most existing panel cutouts.

For additional strength, extra Mounting Slide Clips can be ordered and doubled up one behind the other. P/N:(75-DMT96X24)

When extra panel mounting tightness is required, optional Screw Mounting Clips are included which fit on the Mounting Slide Clips.

FRONT VIEW

1/16 DIN (96x24mm)

Various bezel colors are available. Black is standard.

SIDE VIEW

Push-On Connector P/N:(CN/PUSH/BN)

TO REMOVE REAR COVER

Release Bottom Catch with a small flat blade, and lever outwards.

TOP VIEW

96mm (3.78")

92.8 mm (3.6") Widest mountable panel cutout without using adaptors.

97.8mm (3.86")

91mm (3.59")

25.4mm (3.78") Max. panel thickness

The 96x24mm case is particularly suitable for mounting in mosaic panels or insulative panels. They can also stack mount, 2 up in existing cut-outs for 1/8 DIN (96x48mm) or 4 up in 1/4 DIN (96x96mm).

Ordering Information

Standard Options for this Model Number

Part Number .Description .List

▶ BASIC MODEL NUMBER

- AM-30Red 31 Seg. Bargraph, 0.05/0.1/0.2/1/5/10VDC/4-20mA
- AM-30R1Red 31 Seg. Bargraph, 1 VDC std w/one 2 A/120 VAC relay
- AM-30R2Red 31 Seg. Bargraph, 1 VDC std w/two 2 A/120 VAC relay

▶ DISPLAY

- STANDARD . . .Vertical Red
- AM-HORZ/RED . .Horizontal Red LED option
- AM-VERT/GRN . .Vertical Green LED option
- AM-HORZ/GRN . .Horizontal Green LED option
- AM-MULTI . . .Red, green or amber LEDs (10 seg. increments)
- AM-30DOT . . .Dot mode - one segment display (AM-30 only)
- AM-30DOT/CZ .Center zero dot mode (AM-30 only)

▶ POWER SUPPLY

- STANDARD . .5 V DC
- V0-24VDCNon-isolated 24 V DC

Special Options and Accessories

Part Number .Description .List

▶ SPECIAL OPTIONS (Specify Inputs & Req. Reading)

- HD-CHANGEFactory Range Change from bolded ranges listed (AM-30)
- CB-FS35Non-Std Range (AM-30)
- AM-30RELAYH . . .Factory Installed 200mA/250VAC relay (AM-30R1 & R2)

▶ ACCESSORIES

- CN-L15PCB Edge Connector, Solder Type, Dual row 15 Pins (AM-30)
- CN-PUSH/AM . . .AM-30 / 5VDC power Push-on Screw Terminal Block Connector
- CN-PUSH/AMR . . .AM-30R1 & R2 / 5VDC Push-on Screw Terminal Block Conn.
- CN-PUSH/A24 . . .AM-30 / 24VDC Push-on Screw Terminal Block Connector
- CN-PUSH/AR24 . . .AM030R1 & R2 / 24VDC Push-on Screw Terminal Block Conn.
- 75-DMTC96X24 . . .Side Slide Brackets, extra set (96x24mm only)
- 75-DBBZ96X24 . . .Black Bezel for 96x24mm Case, BN and AM series
- DN.CAS96X24 . . .Din Case 96 X 24 Short Depth Plus Accessories
- OP-MTLCLIPScrew Mounting Clips (2 pc) to screw tighten slide brackets
- 75-DTP96X24 . . .Black Metal Trim Plate (96x24mm Case) 1 Meter
- 75-DTP2X9624 . . .Black Metal Trim Plate (96x24mm Case) 2 Meters
- 75-DTP3X9624 . . .Black Metal Trim Plate (96x24mm Case) 3 Meters

Prices subject to change without notice.

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