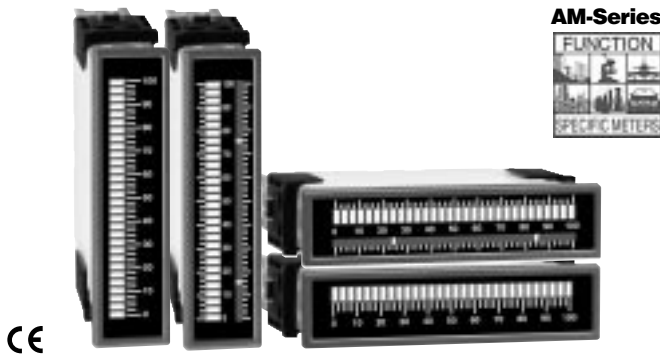




AM-30, AM-30R1 & AM-30R2

**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

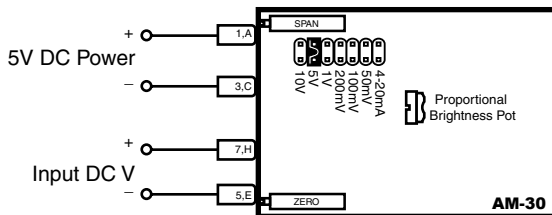
The AM-30 is a 31-segment 5VDC powered red, green, or amber LED bargraph in a compact DIN case (96x24mm) with a short depth (56.5mm/2.23"). It can be ordered in either a horizontal or vertical format. Single or dual setpoints are available as options. The setpoints are easily adjustable by the user from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

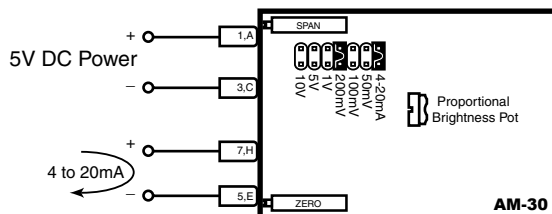
The AM-30 uses a 30-pin PCB edge card connector or optionally a Push-On™ screw terminal connector may be used (see ordering information on page 8). This bargraph is designed especially for use in process applications where a low cost visual analog indication is required.

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

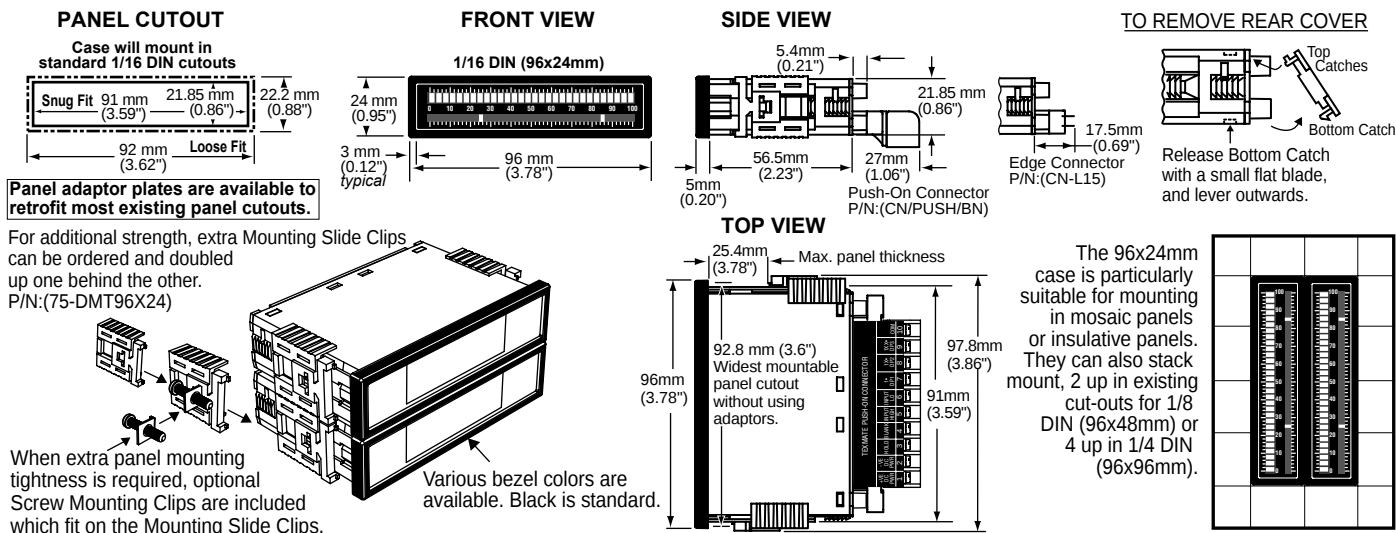
Relative Humidity:95% (non condensing)

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

Case Dimensions and Panel Cutouts



Ordering Information

Standard Options for this Model Number

Part Number .Description .List

► BASIC MODEL NUMBER

AM-30 .Red 31 Seg. Bargraph, 0.05/0.1/0.2/1/5/10VDC/4-20mA .
AM-30R1 .Red 31 Seg. Bargraph, 1 VDC std w/one 2 A/120 VAC relay .
AM-30R2 .Red 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 .
V0-24VDC .Non-isolated 24 V DC .

Special Options and Accessories

Part Number .Description .List

► SPECIAL OPTIONS (Specify Inputs & Req. Reading)

HD-CHANGE .Factory Range Change from bolded ranges listed (AM-30) .
CB-FS35 .Non-Std Range (AM-30) .
AM-30RELAYH .Factory Installed 200mA/250VAC relay (AM-30R1 & R2) .

► ACCESSORIES

CN-L15 .PCB 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-MTLCLIP .Screw 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.

WARRANTY

Texmate warrants that its products are free from defects in material and workmanship under normal use and service for a period of one year from date of shipment. Texmate's obligations under this warranty are limited to replacement or repair, at its option, at its factory, of any of the products which shall, within the applicable period after shipment, be returned to Texmate's facility, transportation charges pre-paid, and which are, after examination, disclosed to the satisfaction of Texmate to be thus defective. The warranty shall not apply to any equipment which shall have been repaired or altered, except by Texmate, or which shall have been subjected to misuse, negligence, or accident. In no case shall Texmate's liability exceed the original purchase price. The aforementioned provisions do not extend the original warranty period of any product which has been either repaired or replaced by Texmate.

USER'S RESPONSIBILITY

We are pleased to offer suggestions on the use of our various products either by way of printed matter or through direct contact with our sales/application engineering staff. However, since we have no control over the use of our products once they are shipped, NO WARRANTY WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE is made beyond the repair, replacement, or refund of purchase price at the sole discretion of Texmate. Users shall determine the suitability of the product for the intended application before using, and the users assume all risk and liability whatsoever in connection therewith, regardless of any of our suggestions or statements as to application or construction. In no event shall Texmate's liability, in law or otherwise, be in excess of the purchase price of the product.

Texmate cannot assume responsibility for any circuitry described. No circuit patent or software licenses are implied. Texmate reserves the right to change circuitry, operating software, specifications, and prices without notice at any time.

