APM-500 100 <u>համարակավաղմականականականականականականականականական</u>

APM-100

Bowmar Series Single Edgewise BarGraphs[™]

The Weschler Bowmar Series Single Edgewise BarGraphs feature bright, easy-reading 3" to 10" LED bars for OEM and process applications. The Bowmar Series offer 51 or 101 segment bar displays with 2% or 1% resolution. Choose from red, green or amber LEDs on most larger models. Colors can also be mixed within the bar to provide permanent indication A rear panel low/high brightness selection terminal changes the LED intensity for operator and control room conditions. Standard white on black or custom black on white scales can be provided. Expanded scales can also be ordered to view the most important part of a measurement in greater detail.

Screw terminal connectors are standard on the APM series. Connections to the BG series are made to a rear panel card edge connector. Front panel, mounting and performance are identical in both series.

The Bowmar BarGraph instruments accept DC process inputs, Other BarGraph models can be either voltage or current. configured for a wide variety of input signals. Retrofit sizes are available for most panel and switchboard meters in use today. These instruments satisfy the high quality standards set forth by the utility, OEM and process control industries.

100 80 60 40 20

APM-600

🜐 📱 Bowmar 🕞

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FEATURES

51 or 101 segment LED bar array

Red, green, yellow, blue, white or mixed color bar

Selectable LED brightness

DC inputs to 10A and 100V

Differential input

Harsh environment enclosures



16900 FOLTZ PARKWAY - CLEVELAND, OH 44149 Phone: (440) 238-2550 - Fax: (440) 238-0660 www.weschler.com e-mail: sales@weschler.com

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APM-800

with MX option

SPECIFICATIONS

Bar Display

APM500, APM600, BG500, BG600 51 segment LED plus underrange and overrange 5" display

APM100, BG100

101 segment LED plus underrange and overrange

3" display

APM800, BG800

100 segment LED plus underrange and overrange

10" display

Input Type

DC Volts 50mV to 100V DC Amps 10mV to 10A

Response Time

25msec full scale, damping to 1sec available

Temperature

Operation 0 to 50°C Storage -60 to 71°C

Shock

to 8.5 G's

Humidity

0 to 95% RH, non-condensing

Weight

6 to 27 oz.

Calibration

NIST traceable factory calibration. Some models may be field adjusted \pm 20% at Zero and Full Scale

Power Requirement

5VDC <u>+</u> 0.25V, 400mA typical

Input Impedance

≥100kohms typical, 50mV current shunt for most ammeters

Linearity

0.5% (from 0 to 50°C)

Gain Temperature Coefficient

+ 0.015%/℃ maximum

Zero Temperature Coefficient

± 0.01%/°C maximum

Under-range

150% of input

Over-range

250% of input

Display Modes

Bar and Point

Power Supply Sensitivity

+ 0.1%/volt maximum

Input Bias Current

100 nA typical

Common Mode Rejection

60dB typical

Standard Scales

0-10 0-50

0-100

10/0/

-10/0/+10

-50/0/+50

-100/0/+100

Available with % signs Over 2300 scales available

Connections

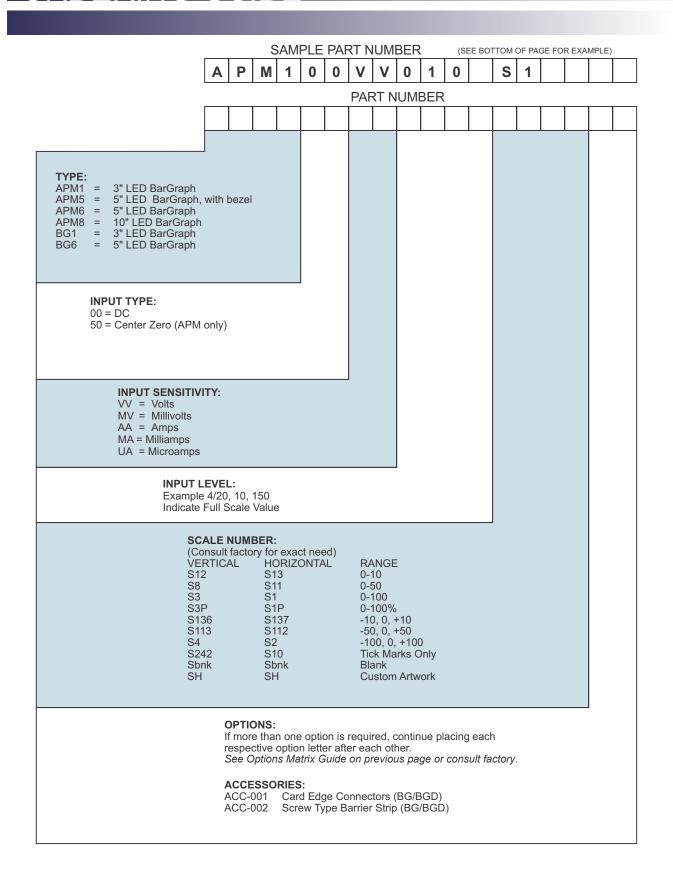
APM: Terminal studs BG: Card edge (mating connector included)

OPTIONS MATRIX GUIDE

Option Code	100	150	500	600	800	DESCRIPTION
Α	•				•	Differential Input, DC volts
F	•	•	•	•	•	Increased Damping
G	•	•	•	•	•	Custom Input Range
Z	•	•				Black Metal Bezel
Χ			•	•		Drip Proof Bezel
Р				•	•	Red Filter
Gr	•	•	•	•	•	Green Display
YL	•	•	•	•	•	Yellow Display
MX	•	•	•	•	•	Mixed Display (Red, Green, Yellow)
BL	•	•				Blue Display
WH	•	•				White Display
UN	•	•				Sunlight Readable
S	•	•	•	•	•	Library Scales (Scale #)

= Available

ORDERING GUIDE



EXAMPLE: A P M 1 0 0 V V 0 1 0 S 1

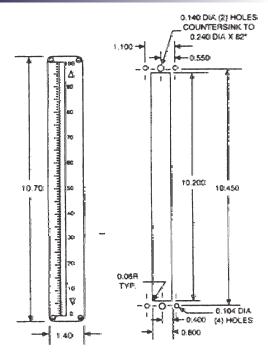
(APM1) 3" LED BarGraph, (00) DC input, (VV) Volts input sensitivity, (010) 0-10 input level, (S1) 0-100 horizontal scale.

DIMENSIONS

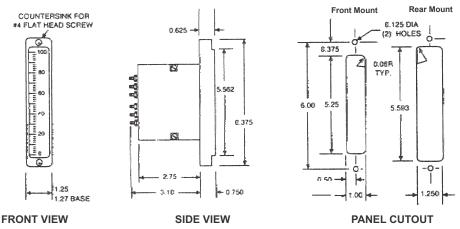
APM 100

Card Edge - BG100 0.140 dia Studs - APM100 2 holes for 4-40 screws 4.49 4.125 4.150 3.77 3.83 0.155 0.58 3.270 3.65 3.85 0.618 **FRONT VIEW SIDE VIEW PANEL CUTOUT**

APM 800

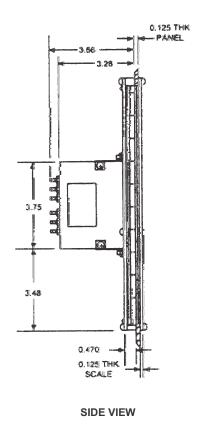


APM 500

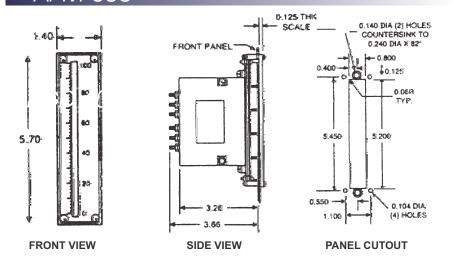


FRONT VIEW

PANEL CUTOUT



APN I ADD



2/22/18

Options and features vary by model. Contact factory for details and latest specifications.



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