

# Black Phenolic Panel Meters, Long Scale & Bezel Panel Meters.



**Model 426** (4 1/2")

- ▲ Long Scale
- ▲ Low profile, thin front
- ▲ Rugged, Stylish Case
- ▲ Customized Scales available

**Models: 361** (3 1/2"), **561** (5 1/2") (shown)

- ▲ Integral Bezel models
- ▲ Built-in illumination window
- ▲ Illumination bracket kits available
- ▲ Wide selection of Ranges
- ▲ Customized Scales available

Black Phenolic panel meters are rugged, stylish, sensitive and accurate. They range in size from 3 1/2" to 5 1/2" and can be either front or bezel mounted. Their rugged designs are particularly suitable for use in demanding environments. The Black Phenolic panel meters have a standard indication accuracy of  $\pm 2\%$  full scale for DC ranges ( $\pm 3\%$  for AC ranges) and are available with "Super Calibrated Accuracy" of  $\pm 0.5\%$  for exacting measurement requirements.

The Models 361 and 561 have the meter bezels molded into their cases for through-the-panel bezel mounting. Panel meter installation is quick and easy since there is no separate bezel hardware.

The Model 426 is a versatile panel meter with a low-profile thin front. It has a scale approximately equivalent to that of a conventional 4 1/2" meter, but the dial area height is the same as that of a 3 1/2" meter. The Model 426 requires no more panel space than other meters with shorter scales. Designed so that it is equally attractive and practical whether mounted in front of a panel or recessed, the Model 426 has found immediate acceptance in today's narrow rack panels.

## Black Phenolic, Long Scale & Bezel Meter Specifications

Specifications	DC Ranges		AC Ranges (Rectifier Type)		Pyrometer
	Current	Voltage	Current	Voltage	
Accuracy	$\pm 2\%$	$\pm 2\%$	$\pm 3\%$	$\pm 3\%$	$\pm 2\%$
Tracking	Optional	Optional	Optional	Optional	N/A
Balance	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
Repeatability	Taut band	< 1/4%	< 1/4%	< 1/4%	< 1/4%
	Pivot-and-Jewel	2%	2%	2%	2%
Resistance Tolerance	$\pm 20\%$	$\pm 5\%$	—	< 10V $\pm 20\%$ $\geq 10V$ $\pm 5\%$	N/A
Overload Capacity	1 Second	1000%	$\leq 100V$ 1000% $> 100V$ 200%	150%	150%
	Continuous	150%	120%	150%	150%
Calibration Frequency	—	—	60 Hz	60 Hz	N/A
Overshoot (maximum)	20%	20%	20%	20%	N/A
Response Time (maximum)	Sensitivity $\geq 50\mu A$	1.5 sec	1.5 sec	1.5 sec	1.5 sec
	Sensitivity $< 50\mu A$	3 sec	3 sec	3 sec	3 sec

Effects of shock, vibration, humidity and temperature are equal to or better than ANSI C39.1-1981.  
Safety (dielectric test, leakage and other hazards): instruments are equal to or better than ANSI C39.5-1974.  
The above tolerance limits apply to the standard ranges listed in this bulletin. Special instruments may vary from these limits.  
Rated circuit to ground voltage = 800 Vrms (1100 Peak).

## Black Phenolic, Bezel Dimensions

Model	Height	Width	Depth*
361 (3 1/2")	2.005	3.54	2.14
426 (4 1/2")	2.98	4.54	2.00
561 (5 1/2")	2.70	5.05	3.00

Dimensions are in inches.

\* Depth = front of panel to end of terminals.

See price sheet for part numbers.

Contact Factory for more information & dimensional drawings.



## DC Ranges

DC Microamperes	5 to 1000
DC Milliamperes	1 to 1000
DC Amperes	1 to 50
DC Millivolts	5 to 1000
DC Volts	1 to 500

## Process Ranges

DC Milliamperes	1-5 4-20 10-50
DC Volts	1-5, 0-10

## AC Ranges (Rectifier Type)

AC Microamperes	100 to 1000
AC Milliamperes	1 to 1000
AC Amperes	1 to 50
AC Millivolts	250 & 500
AC Volts	1 to 500

## Thermocouple Pyrometers

Contact Factory

## VU Meters

Contact Factory