

1000 Series

Models: 1015 (1 1/2"),
1025 (2 1/2"), **1035** (3 1/2")

- ▲ Stackable mounting
- ▲ Easy dial changing
- ▲ Tough, high temperature polycarbonate case
- ▲ Optional illuminated dials
- ▲ Vertical or horizontal mounting
- ▲ Wide selection of Ranges
- ▲ Customized Scales available

The 1000 Series Edgewise panel instruments have been designed to satisfy the demand for an attractive and accurate analog display in a minimum of panel space.

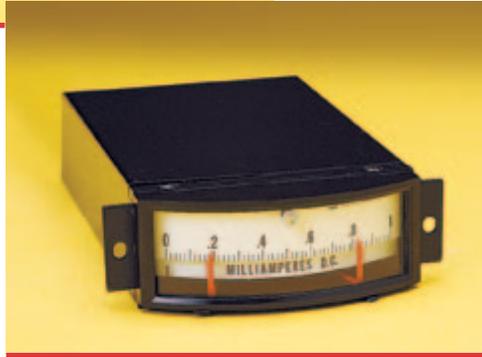
A novel case design permits snap-together access to the dial and mechanism for convenient dial changing. The case itself - clear front window and black case - is molded from high impact polycarbonate.

The unique flat d'Arsonval mechanism with pivot-and-jewel suspension provides 2% accuracy with either vertical or horizontal mounting. Unsurpassed stability makes frequent zero adjusting unnecessary. The Models 1015 and 1025 have rear zero adjustment while the Model 1035 features a unique front adjustment.

Panel mounting has been simplified in the 1000 Series. Two mounting clips are attached without screws to the meter case after it has been inserted through its panel cutout. The clips are then tightened against the panel.

Model 371 (3 1/2")

- ▲ All ranges are taut band
- ▲ Front zero adjustment
- ▲ Horizontal or vertical scale
- ▲ Anti-parallax stepped scale for AC & DC ranges
- ▲ Mirrored scale on pyrometer ranges



The Model 371 was designed for applications where panel space is limited. The Model 371 can be mounted either horizontally or vertically. . . it is also stackable. Two or more units can be mounted side-by-side with no panel space between the dials, allowing for easy comparison of several variables.

The Model 371 panel meters have a shielded meter mechanism which allows them to be mounted on either magnetic or non-magnetic panels.

Edgewise Meter Specifications						
Specifications	DC Ranges		AC Ranges (Rectifier Type)		Pyrometer (Model 371)	
	Current	Voltage	Current	Voltage		
Accuracy	±2%	±2%	±3%	±3%	±2%	
Balance	±2%	±2%	±2%	±2%	±1%	
Repeatability	1000 Series (P&J)	2%	2%	2%	N/A	
	371 (Taut band)	< 1/4%	< 1/4%	< 1/4%	< 1/4%	
Resistance Tolerance	±20%	±5%	—	< 10V ±20% ≥ 10V ±5%	N/A	
Overload Capacity	1 Second	1000%	≤ 100V 1000% > 100V 200%	150%	150%	N/A
	Continuous	150%	120%	150%	120%	N/A
Calibration Frequency	N/A	N/A	60 Hz	60 Hz	N/A	
Overshoot (maximum)	20%	20%	20%	20%	N/A	
Response Time (maximum)	Sensitivity ≥300µa	3 sec	2 sec	2 sec	2 sec	N/A
	Sensitivity <200µa	3 sec	3 sec	3 sec	3 sec	N/A

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 = 250 Vrms (350 Peak).

Edgewise Meter Dimensions			
Model	Height	Width	Depth*
1015 (1 1/2")	0.50	1.814	2.495
1025 (2 1/2")	0.68	2.765	3.550
1035 (3 1/2")	0.66	3.655	3.225
371 (3 1/2")	1.43	3.430	4.070



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	1000 Series	Model 371
DC Microamperes	50 to 1000	5 to 1000
DC Milliamperes	1 to 500	1 to 500
DC Amperes	use 50mV external shunt	1 to 50
DC Millivolts	20 to 1000	5 to 1000
DC Volts	1 to 300	1 to 500

Process Ranges		
DC Milliamperes	1-5	1-5
	4-20	4-20
	10-50	10-50
DC Volts	1-5	1-5
	0-10	0-10

AC Ranges (Rectifier Type)		
AC Microamperes	100 to 1000	100 to 1000
AC Milliamperes	1 to 1000	1 to 1000
AC Amperes	1 to 50	1 to 50
AC Millivolts	250 & 500	250 & 500
AC Volts	1 to 150	1 to 500

Thermocouple Pyrometers
Model 371 Only - Contact Factory