

Triplett Analog Panel Meter Characteristics

The following is a listing of the standard instrument characteristics and/or tolerances for standard Triplett DC Bar Ring & AC Iron Vane Instruments. All characteristics and tolerances are predicated on the instrument being mounted in its normal position at a temperature of 25°C (sine wave for AC types). This listing is not intended to limit the characteristics or tolerances: many variations of characteristics and tolerances can be supplied on special order. Consult factory stating complete details of your application and desired characteristics.

Characteristic	Direct Current Types		AC Iron Vane Types	
	Current	Voltage	Current	Voltage
ACCURACY	±2%	±2%	±2%	±2%
● SCALE LINEARITY	linear	linear	non-linear	non-linear
TRACKING	±3%	±3%	±3%	±3%
▲ REPEATABILITY - Pivot Type	±2%	±2%	±2%	±2%
-Taut Band Type	±1/2%	±1/2%		
▲ FRICTION - Pivot Type	±1%	±1%	±1%	±1%
-Taut Band Type	negligible	negligible		
▲ BALANCE - 50 µA & above	±1%	±1%	±1%	±1%
- below 50 µA	±2%	±2%		
RESISTANCE or SENSITIVITY	±20%		±20%	
- below 10 volts		±5%		±20%
- above 10 volts		±5%		±5%
MAXIMUM OVERSHOOT	20%	20%	30%	30%
RESPONSE TIME (In High Impedance Circuit)				
- above 50 µA	1.5 sec max	1.5 sec max	1.5 sec max	1.5 sec max
- below 50 µA	3 sec max	3 sec max		
■ CALIBRATION FREQUENCY			60Hz	60Hz
FREQUENCY RANGE (for ±1% deviation from value @ 60Hz)			25-1000Hz	25-133Hz
OVERLOAD CAPACITY (1 sec)	1000%		1000%	
0-100 volts		1000%		1000%
101 volts & up		200%		200%
OVERLOAD CAPACITY (continuous) % of rated value	150%	120%	150%	120%
TEMPERATURE INFLUENCE (±10°C from 25°C)	±1%	±1%	±1%	±1%

- LINEARITY applies to spacing of scale divisions only. DC types at ±2% accuracy have linear scale divisions, therefore, scales are interchangeable on all meters. AC Iron Vane Types at ±2% have non-linear scale divisions, however, scales are interchangeable on meters of a given range and type. All ±1/2% and ±1% meters have non-linear scale divisions and the scales are not interchangeable (in some cases, interchangeable scales may be supplied – consult factory stating requirements)
- ▲ Repeatability, friction and balance tolerances are typical specifications - specific values are dependent on meter size, torque, current, etc.
- AC Iron Vane Types can also be supplied calibrated for use at other frequencies on special order.

All Triplett Panel Instruments meet or exceed ANSI C39.1 performance standards and applicable portions of ANSI C39.5 safety standards.

ALL SPECIFICATIONS SUBJECT TO CHANGE

All Triplett Panel Instrumentation Products carry a One Year Warranty unless otherwise stated.