FEATURES AND SPECIFICATIONS

20/20 Ac and Dc Custom Styled Panel Instruments

Application

20/20 instruments have neat, clean lines which harmonize with highly styled electronic components. They can be properly applied on equipment ranging from a spectrometer to a unit of power switchgear.

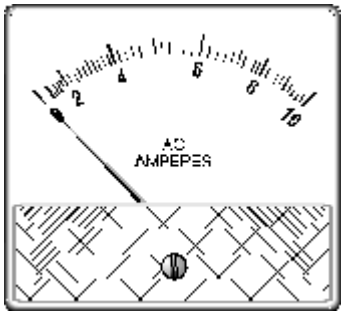
Readability

20/20 instruments were designed for maximum readability from a distance. The lance-design pointer in conjunction with the bold dial markings make this instrument the most easily read in its field.

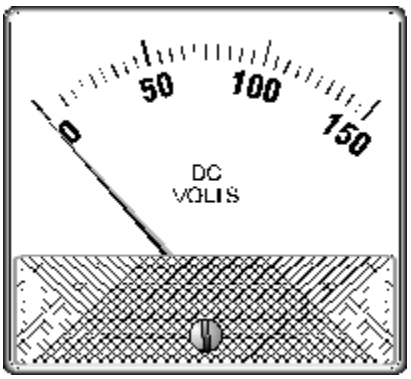
Enclosures

The 20/20 instrument case is made of a black Lexan plastic, dimensioned to meet the industry standards for Custom Styled Panel Instruments as defined by ANSI C39.1.

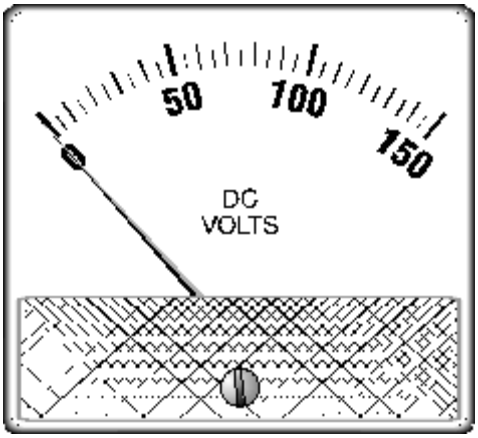
The snap-on cover is made up of a high grade Lexan plastic which will remain crystal clear in appearance. It is treated with Weschler Anti-Static Agent to keep it dust-free, and to insure continued freedom from electrostatic effects. The side edges of the cover are also of clear plastic, allowing light to enter from any angle.



2 1/2" GA-332 Ac Ammeter



3 1/2" GX-352 Dc Voltmeter



4 1/2" GX-372 Dc Voltmeter

FEATURES AND SPECIFICATIONS

20/20 Ac and Dc Custom Styled Panel Instruments

Specifications

	2 1/2" G-332	3 1/2" G-352	4 1/2" G-372
Dielectric Test Level	2600 Volts	2600 Volts	2600 Volts
Insulation Rating	Working voltage to ground = 800 volts peak		
Type of Pointer	Lance	Lance	Lance
Scale Arc	90 degrees	90 degrees	90 degrees
Scale Length	2.18"	2.82"	4.02"
Net Weight	6 oz.	6 oz.	9 oz.
Shipping Weight	3 lbs.	3 lbs.	3 lbs.

Performance

	Dc	**Ac**
Rated Accuracy in Percent of Full Scale	+ or - 2%	+ or - 2% + or - 3% (Rectifier Type)
Overshoot---Maximum	20% Max.	20% Max.
Response Time (in seconds):		
....Microammeters below 50 ua ....Microammeters above 50 ua	3.0 Sec. Max. 1.5 Sec. Max.	1.5 Sec. Max. 1.5 Sec. Max.
RF Ammeters		2.5 Sec. Max.

For definition of above terms refer to ANSI Standard C39.1.

Typical Modifications Include:

Special scales and calibration.
Customer identification or trade names.
Mirror dials and knife-edge pointers.
Colored zones.
Special legends.
Center zero.
Suppressed zero.

Repeatability---error not detectable.

Repeatability in most instrument applications is far more important than tracking or accuracy. Repeatability alone guarantees that precise duplication of an instrument reading can be made for a given set of conditions.

Ratings, Mechanisms, and Accuracy

Instrument	Case Size and Type				Ratings	Movement	Accuracy Class*
	2 1/2"	3 1/2"	4 1/2"				
Dc Microammeters	GX-332	GX-352	GX-372		50-800	Permanent-Magnet, Moving-Coil	+ or - 2%
Dc Milliammeters	GX-332	GX-352	GX-372		1-800	Permanent-Magnet, Moving-Coil	+ or - 2%
Dc Ammeters, Self-Contained	GX-332	GX-352	GX-372		1-50	Permanent-Magnet, Moving-Coil	+ or - 2%
Dc Ammeters, External Shunt	GX-332	GX-352	GX-372		5-2500	Permanent-Magnet, Moving-Coil	+ or - 2%
Dc Millivoltmeters	GX-332	GX-352	GX-372		20-800	Permanent-Magnet, Moving-Coil	+ or - 2%
Dc Voltmeters	GX-332	GX-352	GX-372		1-800	Permanent-Magnet, Moving-Coil	+ or - 2%
Ac Ammeters	GA-332	GA-352	GA-372		5-800	Repulsion, Iron Vane	+ or - 2%
Ac Ammeters, Self-Contained	GA-332	GA-352	GA-372		1-50	Repulsion, Iron Vane	+ or - 2%
Ac Ammeters, External Transformers	GA-332	GA-352	GA-372		20-2500	Repulsion, Iron Vane	+ or - 2%
Ac Voltmeters	GA-332	GA-352	GA-372		1.5-600	Repulsion, Iron Vane	+ or - 2%
Rectifier Microammeters	GC-332	GC-352	GC-372		80-800	Rectifier with Permanent Magnet,	+ or - 3%
Rectifier Milliammeters	GC-332	GC-352	GC-372		1-20	Moving-Coil Rectifier with Permanent	+ or - 3%
Rectifier Voltmeters	GC-332	GC-352	GC-372		3-800	Magnet, Moving-Coil Rectifier with Permanent Magnet, Moving-Coil	+ or - 3%
AC Wattmeter, with External Transducer (VP2-840)	.....	GX-352	GX-372		5A, 120V	Permanent-Magnet, Moving-Coil	+ or - 2%
AC Varmeter, with External Transducer (VV2-841)	.....	GX-352	GX-372		5A, 120V	Permanent-Magnet, Moving-Coil	+ or - 2%
Frequency Meter, with External Transducer (9VC2-841)	.....	GX-352	GX-372		60, 400 Hz	Permanent-Magnet, Moving-Coil	+ or - 2%
Power Factor Meter, with External Transducer (VF2-841)	.....	GX-352	GX-372		5A, 120V	Permanent-Magnet, Moving-Coil	+ or - 2%
Expanded Scale Voltmeter, with External Transducer (VE2-841)	.....	GX-352	GX-372		110-130V	Permanent-Magnet, Moving-Coil	+ or - 2%
Thermometer, with External Transducer, (VT2-841)	.....	GX-352	GX-372		0-200 degrees C	Permanent-Magnet, Moving-Coil	+ or - 2%
Tachometer, with Exteranl Transducer (VR2-841)	.....	GX-352	GX-372		50-14,000 Pulses	Permanent-Magnet, Moving-Coil	+ or - 2%

*Accuracy class is stated in percent of full scale deflection, with the exception of the Frequency Meter and Expanded Scale Voltmeter which are 2% of span.

Instruments, Outline and Drilling Dimensions in Inches

Type G-332

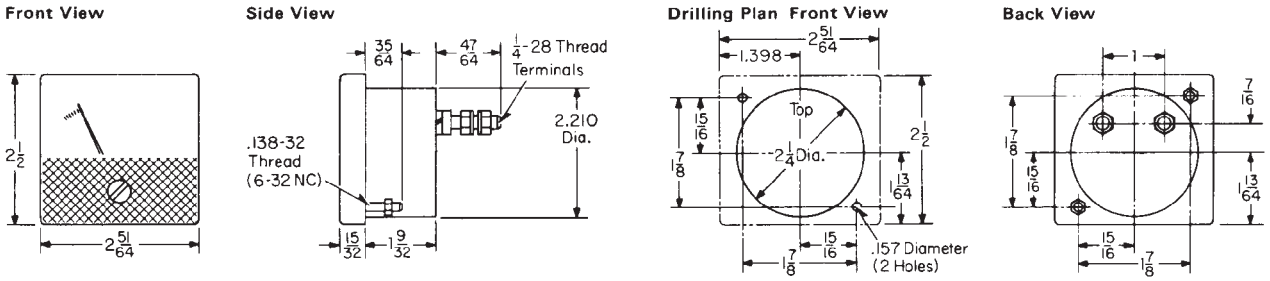
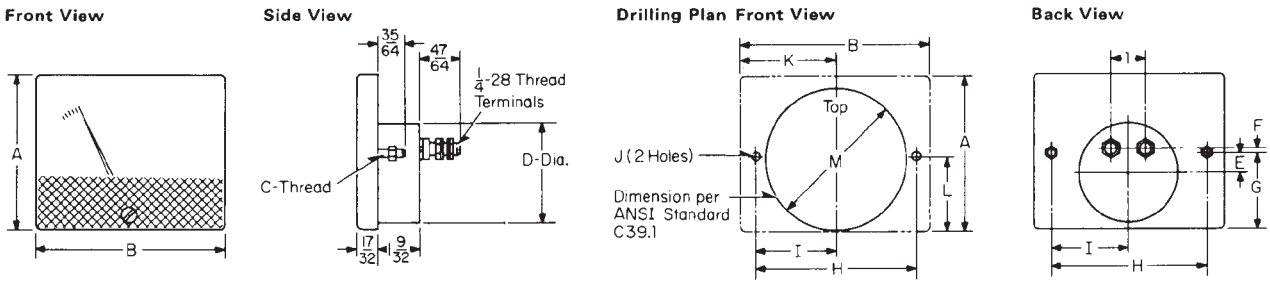


Fig. 2

Types G-352, G-372,

Polarity (+) . . . (—) When Viewed From Rear (Dc Instruments Only)



Type	Dimensions in Inches												
	A	B	C (Thread Size)	D	E	F	G	H	I	J (Dia.)	K	L	M (Dia.)
G-352	3	3 1/2	.138 - 32 (6-32)	2.21	.....	7/16	1 13/64	2 5/8	1 5/16	0.157	1 3/4	1 13/64	2 1/4
G-372	4	4 1/2	.164 - 32 (8-32)	2.79	0.08	0.568	1 19/32	3 1/2	1 3/4	0.18	2 1/4	1 19/32	3

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