



Type 250 and 254  
New Big Look

## Specifications

**Accuracy:** All DC and AC iron-vane;  $\pm 2\%$  of full-scale AC rectifier type;  $\pm 3\%$  of full scale (with 60 Hz sine wave at 25° C). When standard 60 Hz iron vane ammeters are used at the extreme limits of 25 or 400 Hz, additional error (approx. .75%) may be experienced. Expanded-scale voltmeters:  $\pm .5\%$  of full scale value.

**ANSI Specification:** All meters meet ANSI Specifications C-39.1

**Overload:** Voltmeters (AC and DC) - 50% momentary, 20% sustained. Ammeters (AC and DC) momentary; 10 times the rated current for 10 consecutive intervals of .5 second with a 1 minute interval between successive applications; sustained: 20% for six hours.

**Scale Data:** 90 degree rotation.

### Scale Length:

Size	New Big Look
1½"	1.40"
2½"	2.06"
3½"	2.88"
4½"	3.93"

**Insulation Level:** All meters (except 1½"), 2600 Vrms Hi-pot, 1½"-1500 Vrms Hi-pot.

**Burden Data:** AC ammeter-5 amps, 0.5 va, Max. 0.5 power-factor lagging @ 60 Hz. AC voltmeter - unity power factor.

### Response Time and Overshoot:

Response time: 3 seconds (max.) for 2½", 3½", 4½" size for microammeters; 2 seconds (max.) for all other DC ratings, and 2.5 seconds (max) for AC ratings. Maximum of 40% overshoot.

**Dimensions:** See page 34-35

## How To Order

To order New Big Look panel meters use the appropriate catalog numbers provided in the tables. Taut band & AC I/V instruments have a 250 prefix number. Pivot & Jewel instruments have a prefix of 254.

Ordering Examples:

- 2½", 300 V DC Voltmeter, zero left, taut band - 250 220 RXRX
- 2½", 300 V DC Voltmeter, zero left, pivot & jewel, 254 style - 254 220 RXRX
- 2½", 300 V AC (Iron Vane), pivot & jewel - 250244 RXRX

## Notes:

Pivot & jewel instruments are not available in 1½" size.

Meter with flame retardant window and base in 2½", 3½" and 4½" sizes are available that conform to UL1437. Include /CUL or /UL at the end of the catalog number or contact factory.

Sealed meters for outdoor use can be ordered in 2½", 3½" and 4½" sizes by including /IEC at the end of the catalog number, or contact factory. /IEC meters meet IP55.

For ratings and scales not listed contact the factory. CE compliant.

## DC Voltmeters



Size	1½"	2½"	3½"	4½"			
Rating & Scale	Type	Taut Band	Pivot and Jewel	Taut Band	Pivot and Jewel	Taut Band	Pivot and Jewel

### DC VOLTMETERS – ZERO-LEFT

1.0 Volts	250 120 LALA	250 220 LALA	254 220 LALA	250 320 LALA	254 320 LALA	250 420 LALA	254 420 LALA
1.5 Volts	250 120 LCLC	250 220 LCLC	254 220 LCLC	250 320 LCLC	254 320 LCLC	250 420 LCLC	254 420 LCLC
3 Volts	250 120 LJLJ	250 220 LJLJ	254 220 LJLJ	250 320 LJLJ	254 320 LJLJ	250 420 LJLJ	254 420 LJLJ
5 Volts	250 120 LSLS	250 220 LSLS	254 220 LSLS	250 320 LSLS	254 320 LSLS	250 420 LSLS	254 420 LSLS
8 Volts	250 120 MJMJ	250 220 MJMJ	254 220 MJMJ	250 320 MJMJ	254 320 MJMJ	250 420 MJMJ	254 420 MJMJ
10 Volts	250 120 MTMT	250 220 MTMT	254 220 MTMT	250 320 MTMT	254 320 MTMT	250 420 MTMT	254 420 MTMT
15 Volts	250 120 NDND	250 220 NDND	254 220 NDND	250 320 NDND	254 320 NDND	250 420 NDND	254 420 NDND
30 Volts	250 120 NLNL	250 220 NLNL	254 220 NLNL	250 320 NLNL	254 320 NLNL	250 420 NLNL	254 420 NLNL
40 Volts	250 120 NPNP	250 220 NPNP	.....	250 320 NPNP	.....	250 420 NPNP	.....
50 Volts	250 120 NTNT	250 220 NTNT	254 220 NTNT	250 320 NTNT	254 320 NTNT	250 420 NTNT	254 420 NTNT
80 Volts	250 120 PDPD	250 220 PDPD	254 220 PDPD	250 320 PDPD	254 320 PDPD	250 420 PDPD	254 420 PDPD
100 Volts	250 120 PKPK	250 220 PKPK	254 220 PKPK	250 320 PKPK	254 320 PKPK	250 420 PKPK	254 420 PKPK
150 Volts	250 120 PZPZ	250 220 PZPZ	254 220 PZPZ	250 320 PZPZ	254 320 PZPZ	250 420 PZPZ	254 420 PZPZ
200 Volts	250 120 RLRL	250 220 RLRL	254 220 RLRL	250 320 RLRL	254 320 RLRL	250 420 RLRL	254 420 RLRL
250 Volts	250 120 RSRS	250 220 RSRS	254 220 RSRS	250 320 RSRS	254 320 RSRS	250 420 RSRS	254 420 RSRS
300 Volts	250 120 RXRX	250 220 RXRX	254 220 RXRX	250 320 RXRX	254 320 RXRX	250 420 RXRX	254 420 RXRX
500 Volts	.....	.....	.....	250 320 SFSF	254 320 SFSF	250 420 SFSF	254 420 SFSF
600 Volts	.....	.....	.....	250 320 SJSJ	254 320 SJSJ	250 420 SJSJ	254 420 SJSJ

### DC VOLTMETERS – ZERO-LEFT, RATED 0-1 mA DC, FOR USE WITH EXTERNAL RESISTORS. RESISTORS NOT INCLUDED (SEE PAGE 29 FOR RESISTORS)

500 Volts	250 104 FASF	250 204 FASF	254 204 FASF	.....	.....	.....	.....
600 Volts	250 104 FASJ	250 204 FASJ	254 204 FASJ	.....	.....	.....	.....
750 Volts	250 104 FASM	250 204 FASM	254 204 FASM	250 304 FASM	254 304 FASM	250 404 FASM	254 404 FASM