

ANALOG PANEL METERS

TOUGHMETER PANEL METERS (OUTDOOR)

MODEL 271

DESCRIPTION

The ToughMeter series of analog panel meters is designed to operate in harsh environments. The 2 1/2" and 3 1/2" size meters have all metal cases and polycarbonate windows. The ToughMeters have gasket sealed bezels, terminals and zero regulators to ensure dust and moisture protection. The meter mechanisms have a long history of lasting durability and performance within specifications.

SPECIFICATIONS

Accuracy	±3%
Balance.....	±1%
Repeatability.....	±2%
Overload	120% Continuous
Overshoot	10% Max
Response Time.....	2 Seconds Max
Vibration SIN	3 Gs 10-80Hz
Vibration Random.....	10-1000Hz 5 Gs RMS
Shock.....	50 Gs 10 shocks per axis (30 total)
Environmental.....	IP66/4X
Temperature	-45°C - +70°C

VIBRATION, TEMPERATURE, AND ENVIRONMENTAL SPECIFICATIONS ALL EXCEED ANSI C39.1

MADE
IN U.S.A.



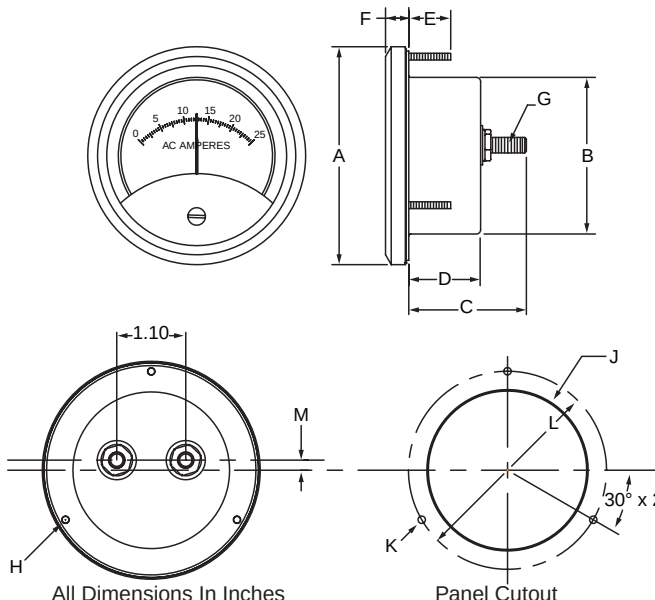
MOUNTING DIMENSIONS

DIMENSION	2 1/2" TOUGH METER	3 1/2" TOUGH METER
A	ø 2.70	ø 3.50
B	ø 2.18	ø 2.50
C	2.29	2.29
D	1.59	1.59
E	0.50	0.50
F	0.37	0.37
G	1/4-28 TERMINAL x 2	1/4-28 TERMINAL x 2
H	4-40 ON 2.44 BCD x 3	4-40 ON 2.44 BCD x 3
J	ø 2.230	ø 2.550
K	ø 0.140 x 3	ø 0.140 x 3
L	ø 2.440	ø 3.160
M	0.160	0.000 (ON CENTERLINE)

AC VOLTMETERS 25-400Hz, Iron Vane			
VOLTS SCALE	VOLTS RATED	CATALOG NUMBER	
		2 1/2"	3 1/2"
150	0-150	271-244-PZPZ	271-344-PZPZ
300	0-300	271-244-RXR X	271-344-RXR X
600	0-600	-	271-344-RXSJ
600	0-150*	271-244-PZSJ	271-344-PZSJ
750	0-150*	271-244-PZSM	271-344-PZSM
3000	0-150*	271-244-PZVJ	271-344-PZVJ

*PT Rated

AC AMP METERS Transformer-Rated, 0-100 Amperes, 25-400Hz, Iron Vane		
AMP SCALE	CATALOG NUMBER	
	2 1/2"	3 1/2"
0-5	271-240-LSLS	271-340-LSLS
0-50	271-240-LSNT	271-340-LSNT
0-60	271-240-LSNW	271-340-LSNW
0-75	271-240-LSPB	271-340-LSPB
0-100	271-240-LSPK	271-340-LSPK
0-150	271-240-LSPZ	271-340-LSPZ
0-200	271-240-LSRL	271-340-LSRL
0-300	271-240-LSRX	271-340-LSRX
0-500	271-240-LSSF	271-340-LSSF
0-600	271-240-LSSJ	271-340-LSSJ
0-800	271-240-LSSN	271-340-LSSN
0-1000	271-240-LSSS	271-340-LSSS
0-1500	271-240-LSTC	271-340-LSTC
0-2000	271-240-LSTM	271-340-LSTM



All Dimensions In Inches

Panel Cutout

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