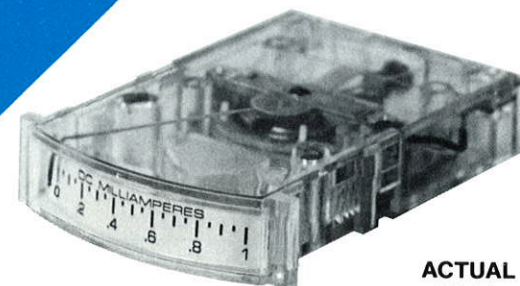


'E' series surface mount

2" edgewise PANEL METERS

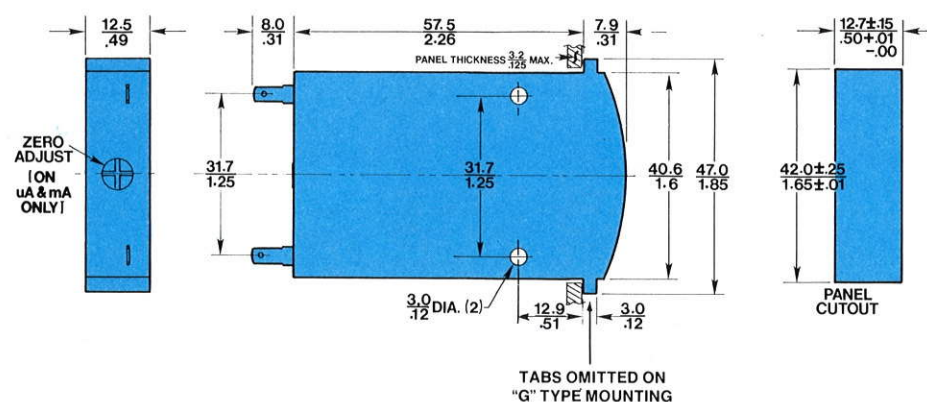


ACTUAL
SIZE



- Compact, 1/2" thick
- Self-shielding - can be stacked "tight" without magnetic interaction.
- Polycarbonate case and cover withstand hard knocks and extreme temperatures.
- Light well provided for backlighting.
- Easily mounted with spring clips furnished.
- Pivot and jewel movement.

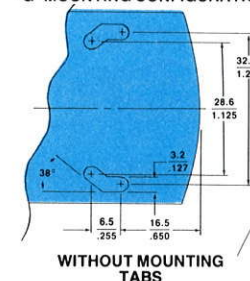
DIMENSIONAL DATA



"E" MOUNTING CONFIGURATION

Mounting with
spring clips

"G" MOUNTING CONFIGURATION



SPECIFICATIONS

Modutec E Series meters meet or exceed the performance specifications of ANSI C39.1 (1981) as applicable.

- Accuracy:** ±2% DC and AC
- Repeatability:** ±2% DC and AC
- Response time:** 2 seconds max.
- Damping:** 25% max. overshoot

- Resistance tolerance:** ±15%
- Shielding:** self-shielded; require no special calibration for steel or non-ferrous mounting.
- Zero adjust:** On back of case.

- Operating temp. range:** -40°C to +71°C (2% accuracy derating).
- Mounting:** Spring clip furnished.
- Scale length:** 1.57" (40mm).

¹Percent of full scale. On zero center meters, specification applies to full scale, not end scale values, e.g., 50-0-50 μ A is 100 μ A full scale.

²Unit can be supplied without mounting tabs and with #2-56 threaded inserts and screws for chassis mounting using oval mounting slots.

Ranges, resistances, catalog numbers, price codes - 2E Series Edgewise Meters

Range	Resistance Ω	Catalog Number	Price Code
DC MICROAMMETERS			
50-0-50	1785	2□-DUA-50U50	EAA
0-100	1785	2□-DUA-100	EAB
0-200	950	2□-DUA-200	EAC
0-500	310	2□-DUA-500	EAD
500-0-500	55	2□-DUA-5H5	EAE
DC MILLIAMMETERS			
0-1	55	2□-DMA-001	EAF
1-0-1	38	2□-DMA-1U1	EAG
0-2	38	2□-DMA-002	EAH
0-5	7	2□-DMA-005	EAJ

Note: When ordering, replace "□" with "E" or "G" for mounting configurations. For vertical scales, add suffix "VS1".

Range	Resistance Ω	Catalog Number	Price Code
(DC MILLIAMMETERS CONTINUED)			
0-10	3.5	2□-DMA-010	EAK
4-20	3	N2□-DMA-020	EAL
DC VOLTMETERS*			
0-10	1000/V	2□-DVV-010	EAM
0-25	1000/V	2□-DVV-025	EAN
0-50	1000/V	2□-DVV-050	EAP
0-100	1000/V	2□-DVV-100	EAQ
0-150	1000/V	2□-DVV-150	EAR
AC VOLTMETERS*			
0-150	900/V	2□-AVV-150	EAS

*Zero adjust not provided

'PB' series surface mount

INDUSTRIAL PANEL BOARD METERS

— 1 1/2", 2 1/2", 3 1/2", 4 1/2" sizes



The Modutec PB Series was designed to meet the expressed need of many customers for meters with a hard-hitting, big-dial-area "industrial" look.

PB Series meters are available in the sizes shown above, and in all the types and ranges. Mounting stud configuration complies with ANSI standards: number of studs is as follows: 1 1/2" meters - 2 studs; 2 1/2" and 3 1/2" meters - 3 studs; 4 1/2" meters - 4 studs. Meters in sizes 1 1/2", 2 1/2", and 3 1/2" will be supplied in 4-stud version at no extra cost - see note below.

AC meters in this series are offered in both d'Arsonval (rectifier type) and iron-vane versions. The latter have the virtue of greater standard accuracy and relative insensitivity to input distortion, while the rectifier type is less affected by frequency variations.

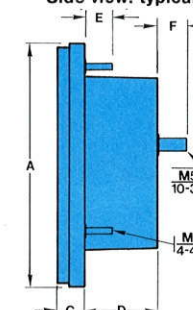
Options: Many desirable options are available at modest additional cost. These are described on pages 39-43.

DIMENSIONAL DATA

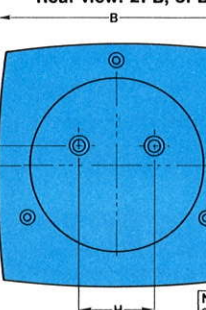
		A	B	C	D	E	F	G	H
1PB	mm.	44.5	44.5	12.7	29.0	12.7	6.35	4.06	22.4
	in.	1.75	1.75	.50	1.14	.50	.25	.16	.96
2PB	mm.	68.6	68.6	12.7	28.6	12.7	16.3	9.40	28.4
	in.	2.70	2.70	.50	1.124	.50	.64	.37	1.12
3PB	mm.	88.9	88.9	12.7	28.6	12.7	16.3	1.3	28.4
	in.	3.50	3.50	.50	1.124	.50	.64	.05	1.12
4PB	mm.	112.0	123.2	12.7	30.5	12.7	16.3	0.38	28.4
	in.	4.41	4.85	.50	1.20	.50	.64	.015	1.12

		J	K	L	M	N	P	S
1PB	mm.			38.9		16.7	33.4	16.7
	in.			1.53		.656	1.31	.656
2PB	mm.	31.0	46.5	55.9	26.8	23.9	47.8	23.9
	in.	1.22	1.83	2.20	1.06	.94	1.88	.94
3PB	mm.	40.1	60.2	69.9	34.8	28.6	57.2	28.6
	in.	1.58	2.37	2.75	1.37	1.125	2.25	1.125
4PB	mm.			70.9		51.6	90.4	50.8
	in.			2.79		2.03	3.56	2.00

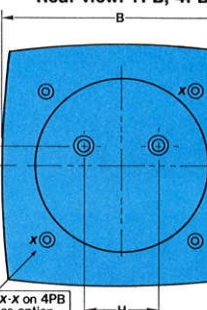
Side view: typical



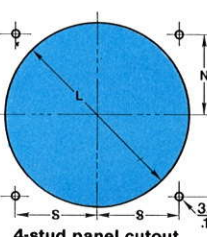
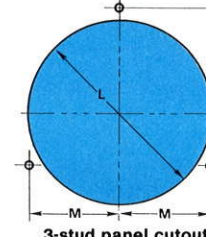
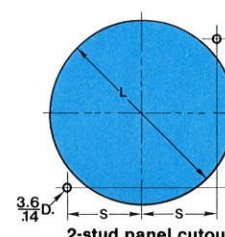
Rear view: 2PB, 3PB



Rear view: 1PB, 4PB



Note: studs X-X on 4PB only, except as option.



SPECIFICATIONS

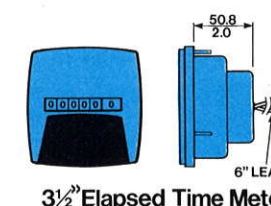
PB Series meters meet or exceed the performance requirements of ANSI C39.1. Their specifications are identical with those of the S Series (page 3) except:

- Scale arc:** 90°
- Scale lengths:**
- 1 1/2" meters - 1.26"
- 2 1/2" meters - 2.10"
- 3 1/2" meters - 2.90"
- 4 1/2" meters - 4.00"

TYPES AVAILABLE (UL recognition optional)

- DC: Microammeters
- Microammeters, logarithmic
- Microammeters, suppressed zero
- Milliammeters
- Milliammeters, suppressed zero
- Ammeters
- Millivoltmeters
- Voltmeters
- Voltmeters, expanded scale
- Null meters
- AC, iron-vane type, rectifier type:
- Milliammeters
- Ammeters
- Voltmeters
- Voltmeters, expanded scale
- Pyrometers
- Elapsed Time meters

Frequency meters



NOTE ON MOUNTING CONFIGURATION

PB series meters are normally furnished for mounting as shown above. If 4-stud mounting of 1 1/2", 2 1/2", or 3 1/2" meters is required, add the suffix letter "B" to the catalog number. There is no added charge for this option.