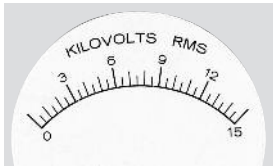


analog

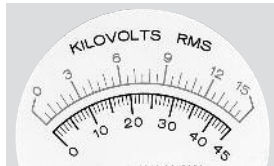
Voltmeters and Phasing Sets For Phase-To-Phase and Phase-To-Ground Measurements



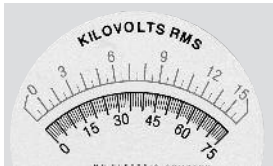
MARK-V



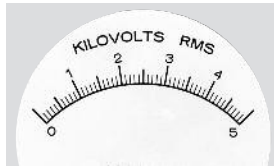
MARK-I-S



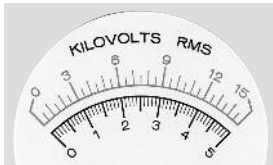
MARK-II-S



MARK-III-S



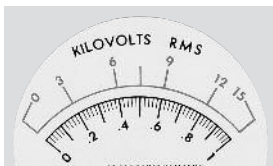
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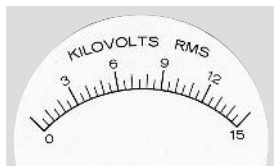
MARK-V



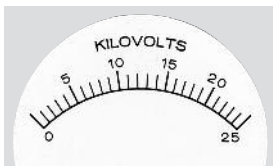
MARK-VI



MARK-VII



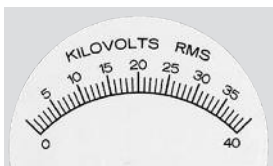
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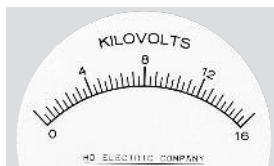
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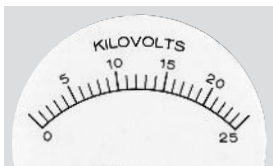
MARK-XI



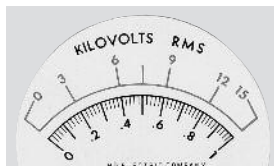
MARK-XII



EM-1



EM-2



EM-3

MARK® & EM ANALOG VOLTMETER FEATURES

There are three models of the EM series voltmeters and eleven models of the MARK series voltmeters and phasing sets. The EM series voltmeters are all single stick voltmeters with one resistive probe with universal spline and ground lead, for phase-to-ground measurements only. The MARK series voltmeters are all dual stick phasing voltmeters with connecting cord and universal spline for phase-to-phase and phase-to-ground measurements.

- Coil cord is standard on all MARK and EM series voltmeters. Coil cord is rated at 10kV. Length is 3.5' (1.7m) retracted and 12' (3.6m) fully extended. Optional lengths are available. Optional reel with straight cord available at no additional cost in lengths up to 22' (6.7m). Straight cord is rated at 15kV.
- Accuracy 3% of full scale
- Universal splines
- Rugged construction designed for heavy field use
- Overhead brass hook contact probes
- Large 3" (7.6 cm) meter face with a Lexan protective cover is specially designed for easy reading and increased accuracy. Multiple scales assist the user in avoiding misreads.
- Strain relief fittings at ends of cords reduce cable damage at point of highest stress
- High voltage resistors are encapsulated in epoxy in all resistor sticks, thereby limiting maximum current to approximately 1 milliamp at full rated voltage.
- Virtually maintenance free - no batteries required
- Measures DC through 1000Hz AC RMS



EM-1

Model	Type of Unit	Range (kV)	Length w/Hook Probes	Unit Weight w/Hook Probes	Case (Included)
MARK-I-S	Dual Stick	0-15	23" (58 cm)	4.9 lbs. (2.2 kg)	CM-100/V
MARK-II-S	Dual Stick	0-15 / 0-45	32" (81 cm)	5.7 lbs. (2.6 kg)	CM-100/V
MARK-III-S	Dual Stick	0-15 / 0-75	23" (58 cm)	4.9 lbs. (2.2 kg)	CM-100/V
MARK-IV	Dual Stick	0-5	23" (58 cm)	4.9 lbs. (2.2 kg)	CM-100/V
MARK-V	Dual Stick	0-5 / 0-15	23" (58 cm)	4.9 lbs. (2.2 kg)	CM-100/V
MARK-VI	Dual Stick	0-5 / 0-15 / 0-45	23" (58 cm)	4.9 lbs. (2.2 kg)	CM-100/V
MARK-VII	Dual Stick	0-1 / 0-15	23" (58 cm)	4.9 lbs. (2.2 kg)	CM-100/V
MARK-VIII	Dual/Single Stick	0-15	26.5" (67 cm)	6.2 lbs. (2.8 kg)	CM-100/V Convertible from Voltmeter (one stick w/ground cord) to Phaser (two stick) by simple plug and receptacle
MARK-IX	Dual Stick	0-25	27" (69 cm)	5.2 lbs. (2.4 kg)	CM-100/V
MARK-XI	Dual Stick	0-5 / 0-25	27" (69 cm)	5.2 lbs. (2.4 kg)	CM-100/V
MARK-XII	Dual Stick	0-40	31" (79 cm)	5.7 lbs. (2.6 kg)	CM-100/V

• All MARK Voltmeter Models include (2) overhead hook probes and carrying case (CM-100/V). Hotsticks required for all voltmeter/phasing sets.

Model	Type of Unit	Range (kV)	Length w/Hook Probe	Unit Weight w/Hook Probe	Case (Optional)
EM-1	Single Stick	0-16	28" (71 cm)	3.7 lbs. (1.7 kg)	CM-100/V
EM-2	Single Stick	0-25	34" (86 cm)	4.0 lbs. (1.8 kg)	C-2
EM-3	Single Stick	0-1 / 0-15	30" (76 cm)	3.9 lbs. (1.8 kg)	CM-100/V

• All EM Voltmeter Models include (1) overhead hook probe. Carrying cases are optional. Hotstick required for all voltmeters.