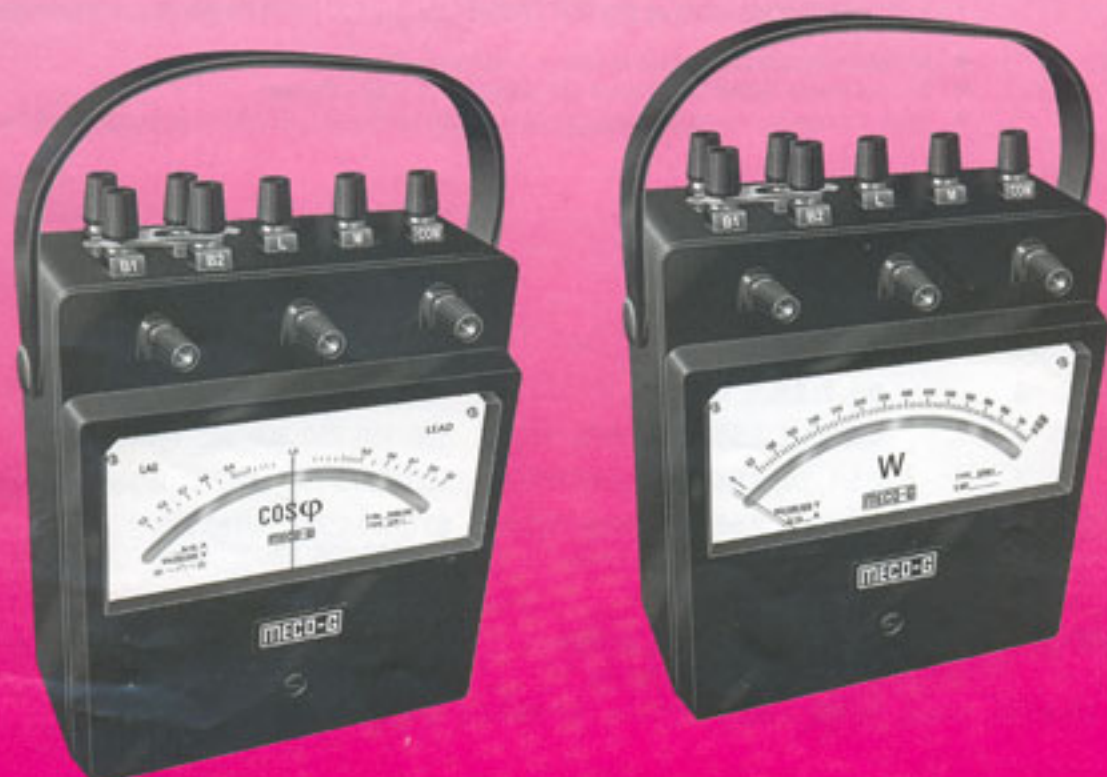


# ELECTRICAL MEASURING INSTRUMENTS



## PORTABLE METERS

**MECO-G**® Portable type instruments are Electro-dynamometer type instruments. They can be used in Single phase, Three phase Three wire and Three phase Four wire systems, and are designed to be used in horizontal positions.

## ELECTRODYNAMOMETER TYPE POWER FACTOR METERS

Rated Accuracy :  $\pm 3^\circ$  (Electrical) as per ISS 1248 for Power Factor Meters.

### A. SINGLE ELEMENT FOR SINGLE PHASE LOAD : MODEL -SPF1

**CURRENT RANGE**  
(choose anyone)

0.5/1, 1/2, 2.5/5, 5/10A

**POTENTIAL RANGE**  
(choose anyone)

62.5/125/250, 125/250/500V, 150/300/600V

### B. SINGLE ELEMENT FOR 3 PHASE BALANCED LOAD : MODEL -SPF3

**CURRENT RANGE**  
(choose anyone)

5A or 1A

**POTENTIAL RANGE**  
(choose anyone)

110V or 440V

### C. DOUBLE ELEMENT FOR 3 PHASE 3 WIRE BALANCED LOAD : MODEL -DPF3

**CURRENT RANGE**  
(choose anyone)

0.5/1, 1/2, 2.5/5, 5/10, 10/20A

**POTENTIAL RANGE**  
(choose anyone)

62.5/125, 110/440, 125/250, 250/500V, 300/600V

# ELECTRODYNAMOMETER TYPE WATTMETERS/VAR METERS

**Rated Accuracy:**  $\pm 1.0\%$  of full scale value as per ISS 1248/84 between 10% to 100% of the scale for Single phase UPF Wattmeters.

:  $\pm 1.5\%$  of full scale value as per ISS 1248/84 for Three phase Wattmeters.

:  $\pm 1.5\%$  of full scale value as per ISS 1248/84 for 0.2 P.F. (LPF) Single phase Wattmeters.

**NOTE:**

- All Wattmeters are calibrated at  $\cos\phi = 1$  and Varmeters at  $\sin\phi = 1$ .
- All Low Power Factor Wattmeters are calibrated at  $\cos\phi = 0.2$  lag.
- Other voltage and current ranges can be supplied on request, subject to technical feasibility.

**A. SINGLE PHASE SINGLE ELEMENT : MODEL -SPW1 (PF=1.0)**

No. of Current ranges	No. of Potential ranges	Current ranges available (choose any one)	Potential ranges available (choose any one)
1	1	0.5, 1, 2.5, 5, 10A	150, 250, 300, 500, 600V
1	2	0.5, 1, 2.5, 5, 10A	75/150, 150/300, 250/500, 300/600V
1	3	0.5, 1, 2.5, 5, 10A	75/150/300, 150/300/600, 125/250/500V
2	1	0.5/1, 1/2, 2.5/5, 5/10, 10/20, 15/30A	100, 150, 250, 300, 500, 600V
2	2	0.5/1, 1/2, 2.5/5, 5/10, 10/20, 15/30A	50/100, 75/150, 125/250, 150/300, 250/500, 300/600V
2	3	0.5/1, 1/2, 2.5/5, 5/10, 10/20, 15/30A	62.5/125/250V, 75/150/300, 150/300/600, 125/250/500V

**B. SINGLE PHASE SINGLE ELEMENT LOW POWER FACTOR (0.2P.F.) : MODEL: SPLW**

**CURRENT RANGE**  
(choose anyone)

0.5/1, 1/2A, 2.5/5A, 5/10A, 10/20A, 15/30A

**POTENTIAL RANGE**  
(choose anyone)

62.5/125/250V, 75/150/300V, 125/250/500V, 150/300/600V

**C. (3 PHASE 3 WIRE) DOUBLE ELEMENT FOR BALANCED & UNBALANCED LOAD : MODEL: DPW3/DPVAR3**

**CURRENT RANGE**  
(choose anyone)

0.5/1, 1/2, 2.5/5, 5/10, 10/20A

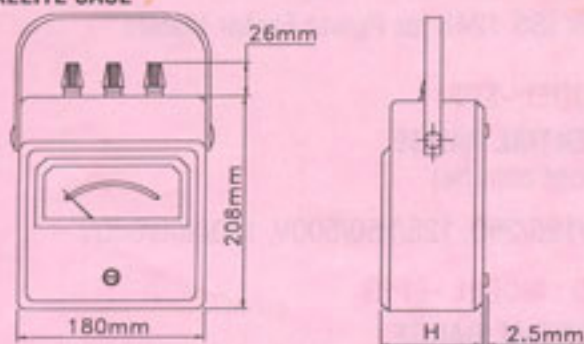
**POTENTIAL RANGE**  
(choose anyone)

62.5/125, 75/150, 125/250, 250/500, 110/440V, 300/600V

**OPTIONAL ACCESSORIES**

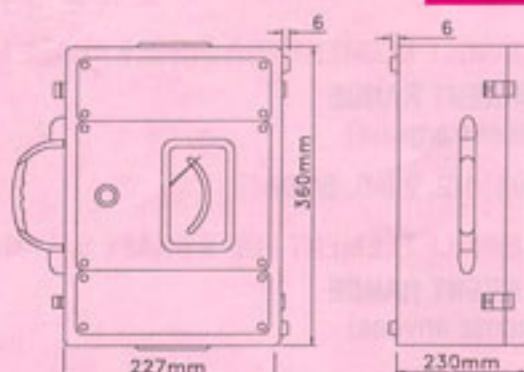
Carrying Case for the Bakelite Portable Meter is available as an optional accessory. To ensure longer service, the instrument should preferably be housed in a carrying case, particularly when stores are being transported in the field.

**BRKELITE CASE**



MODEL	HEIGHT (H)
DPW3/DPVAR3	145mm
SPW1/SPLW/SPFI/SPF3	98mm

**WOODEN CASE**



MODEL: DPW3

**DIMENSIONS**

**MECO-G GOLIYA INSTRUMENTS PVT. LTD.**

311, Bharat Industrial Estate, T.J. Road, Sewree, MUMBAI-400 015, INDIA

TEL: 91-22-24149657, 24179467, Fax: 91-22-24130747

E-MAIL: goliya@mtnl.net.in, Web: www.goliyainstruments.com