

# PORTABLE METERS

## ANALOG METER

## ANALOG (8 RANGES)

## DIGITAL

For AC V and I  
**AGRONIC-PMAC** ` 525/-  
 For DC V and I  
**AGRONIC-PMDC** ` 625/-



### MOVING IRON TYPE. FOR V AND I MEASUREMENTS

#### AGRONIC - PMAC

- Single range portable meter for AC Voltage and current Measurements.
- Choices of any 1 of ranges of 10 mA, 25mA, 30 mA, 50 mA, 100 mA, 250 mA, 500 mA, 1A, 2A, 5A, 10A, 5A, 20A, 30A, 10 V, 20 V, 30 V, 50 V, 75 V, 100 V, 300 V, 500 V Or 600 V AC.
- Sturdy movement with zero adjustment from Front.
- 5V A burden. 45 to 55 Hertz.
- Spade or knife edge pointer.

### MOVING COIL TYPE. FOR V AND I GALVANOMETERS

#### AGRONIC - PMDC

- Single range portable meter for DC voltage and current Measurements.
- Choices of any 1 of ranges of 1 mA, 10 mA, 25 mA, 50 mA, 100 mA, 250 mA, 300 mA, 500 mA, 1A, 2A, 5A, 10A, 20A, 30A, 50 mV, 75 mV, 100 mV, 250 mV, 500 mV, 1V, 2V, 5V, 10V, 15V, 20V, 30V, 40V, 100V, 200V, 500V or 600V, galvanometers of 30-0-30G and 50-0-50G (sensitivity of 500-0-500uA).
- Sturdy movement with zero adjustment from Front.
- Meter sensitivity 1000 ohms per volt for Voltmeters. 75 mV drop for ammeters.
- Spade or knife edge pointer with Linear scale.

**ACCURACY:** ± 1.5%

**INSULATION RESISTANCE:**  
 >20MΩ between terminals and casing.

**HIGH VOLTAGE BREAKDOWN:**  
 2.5KV rms for 1 minute between terminal and casing.

**SCALE LENGTH:** 93mm

**CABINET SIZE AND WEIGHT:**  
 Powder coated M.S. cabinet of 90mm(H) x 180mm (W) x 135mm (D). 1.5kgs.

**STANDARD ACCESSARIES:** Banana to crocodile test lead pair.

**AGRONIC - PM65** ` 700/-



**AGRONIC -PM 65** is portable analog meter, useful for measurements of DC micro-amps, milli-amps, amps, milli volts and volts.

The above measurements are performed in 8 ranges. selected by front panel connection terminals.

**AGRONIC -PM 65** is useful for colleges, test laboratories, production lines, service centers etc.

#### RANGES:

8 ranges of 100uA, 100mA, 1A, 5A, 100mV, 1V, 10V, 50V DC.

Ranges can be selected by front panel connection terminals.

**ACCURACY:** ± 2.5%

#### MOVEMENT:

Moving coil type of meter of 50 uA DC basic sensitivity.

Meter of 20K ohms per volt.

Meter dial has 2 scales of -10-0-100 and -5-0-50 to read the parameters of 8 measurement ranges.

#### DIMENSIONS & WEIGHT:

60 mm (H) x 165 mm (W) x 115 mm (D). 300gms.

#### STANDARD ACCESSORIES:

One Meter long Banana to Crocodile test lead pair.

**AGRONIC - 34 P** ` 800/-



**AGRONIC -34P** portable are available for DC voltage, AC voltage DC current and AC current measurements.

**AGRONIC -34P** portable meters are highly accurate with high resolution and provide parallax free readings and do not get damaged in dusty environments.

**AGRONIC -34P** have longer life as they do not have moving and fragile parts and are housed in power coated-steel cabinet providing convenient viewing angle.

Useful for colleges, laboratories, R&D organizations, industries, railways, defense establishments etc.

#### DC mV/DC V MEASUREMENTS

Range of Measurement	Model No.	Resolution (least count)	Accuracy	Input Impedance
0 to ±200mVDC	34P4	0.1m V	± 0.1% ±2 least counts	1000MΩ
0 to ±2V DC	34P5	0.001 V		
0 to ±20V DC	34P6	0.01 V	± 0.2% ±2 least counts	10MΩ
0 to ±200V DC	34P7	0.1 V		
0 to ±1000V DC	34P8	1 V		

#### AC mV/AC V MEASUREMENTS

Range of Measurement	Model No.	Resolution (least count)	Accuracy	Input Impedance
0 to 200mV AC	34P14	0.1m V	± 0.5% ±2 least counts	10KΩ
0 to 2 V AC	34P15	0.001 V		50KΩ
0 to 20 V AC	34P16	0.01 V		500KΩ
0 to 200 V AC	34P17	0.1 V		5MΩ
0 to 1000V AC	34P18	1 V		5MΩ

#### DC MICRO-AMP / MILLI-AMP / AMP /KILO-AMP MEASUREMENTS

Range of Measurement	Model No.	Resolution (least count)	Accuracy	Input Impedance
0 to ±200uA DC	34P34	0.1 uA	± 0.5% ±2 least counts	1KΩ
0 to ±2 mA DC	34P35	0.001 mA		100Ω
0 to ±20 mA DC	34P36	0.01 mA		10Ω
0 to ±200 mA DC	34P37	0.1 mA		1Ω
0 to ±2A DC	34P38	0.001 A		0.1Ω
0 to ±20A DC	34P39	0.01A		0.01Ω

#### AC MICRO-AMP / MILLI-AMP / AMP /KILO-AMP MEASUREMENTS

Range of Measurement	Model No.	Resolution (least count)	Accuracy	Input Impedance
0 to 200 uA AC	34P54	0.1 uA	± 0.5% ±2 least counts	1KΩ
0 to 2 mA AC	34P55	0.001 mA		100Ω
0 to 20 mA AC	34P56	0.01 mA		10Ω
0 to 200 mA AC	34P57	0.1 mA		1Ω
0 to 2A AC	34P58	0.001 A		0.1Ω
0 to 20A AC	34P59	0.01A		0.01Ω

**DISPLAY:** 3 ½ digit, LED type of 13 mm height. Over-range and negative polarity indications and auto-zero facilities are provided.

**NMRR:** 40 db for DC and AC at 50 Hertz.

**POWER REQUIREMENTS:** 230±10% v AC, 50/60 Herts, 4 VA (9 volts battery operated having LCD display available, optional upon request).

**SIZE AND WEIGHT:** 100mm (H) x 200mm (W) x 100mm (D). 0.6 kgs (approx).

Manufactured / Marketed by  
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 VAT extra at 12.5% (2% against C form for outside Maharashtra customers). Freight at actuals extra. The rates are valid until 30.06.2012