



DIGITAL PANEL METERS



3 1/2 digit in model 34A-4_ ₹ 450/-
 3 1/2 digit in model 34A-14_ ₹ 475/-
 4 1/2 digit in model 35A_ ₹ 900/-
 4 digit Line Frequency Meter ₹ 575/-



FOR MEASUREMENTS OF:

DC milli-Volts / DC Volts
 DC micro-amps / milli-amps / amps / kilo amps.
 AC milli-Volts / Volts/Line (mains) voltages / Voltages of H.T. transformers.
 AC micro-amps / milli-amps/amps/Kilo amps.
 Process parameters measurements using transducers of 4 to 20 mA DC,
 or 0 to 10 VDC outputs.

MECHANICAL DATA:

Panel cutout size of 46mm(H) x 92mm(W) with cabinet size of 48mm (H) x 96mm (W) x 110mm(D). (Choice of panel cutout of 92mm(H) x 92mm(W) with cabinet size of 96mm(H) x 96mm(W) x 80mm(D) available optional, at no extra charge. Panel mounting hardware is supplied with the panel meters.

WEIGHT: 0.4kgs for 48mmx96mmx110mm. 0.6kgs for 96mmx96mmx80mm

DISPLAY: 3 1/2 digit in model 34A_ except 4 digit in Line Frequency Meter.

4 1/2 digit in model 35A_ 7 segment, LED type of 13 mm height. Decimal point, negative polarity and over-range indications are provided.

RESOLUTION: 1 in ± 1999 in 3 1/2 digit model 34A_. 1 in ± 19999 in 4 1/2 digit model 35A_. (High resolutions of digital meters make them up to 100 times more accurate than analog meters.)

NMRR: 40 db for DC measurements or AC measurements at 50 Hz.

SAMPLING RATE: 2.5 samples/second

POWER REQUIREMENTS: 230 \pm 10% volts AC, 50/60 Hertz, 4 VA

DC mV / DC V MEASUREMENTS

Range	3 1/2 Digit Panel Meters				4 1/2 Digit Panel Meters			
	Model No.	Resolution	Accuracy	Input Impedance	Model No.	Resolution	Accuracy	Input Impedance
0 to ± 200 mVDC	34A4	0.1m V	$\pm 0.1\% \pm 2$ least counts	1000M Ω	35A4	0.01m V	$\pm 0.02\% \pm 2$ least counts	100M Ω
0 to ± 2 V DC	34A5	0.001 V			35A5	0.0001 V		
0 to ± 20 V DC	34A6	0.01 V	$\pm 0.2\% \pm 2$ least counts	10M Ω	35A6	0.001 V	$\pm 0.1\% \pm 2$ least counts	10 M Ω
0 to ± 200 V DC	34A7	0.1 V			35A7	0.01 V		
0 to ± 1000 V DC	34A8	1 V			35A8	0.1 V		
						$\pm 0.1\% \pm 3$ least counts		

AC mV / AC V MEASUREMENTS

Range	3 1/2 Digit Panel Meters				4 1/2 Digit Panel Meters			
	Model No.	Resolution	Accuracy	Input Impedance	Model No.	Resolution	Accuracy	Input Impedance
0 to 200mV AC	34A14	0.1m V	$\pm 0.5\%$ ± 2 least counts	10K Ω	35A14	0.01m V	$\pm 0.5\% \pm 3$ least counts	10 K Ω
0 to 2 V AC	34A15	0.001 V		100K Ω	35A15	0.0001 V		100 K Ω
0 to 20 V AC	34A16	0.01 V		1M Ω	35A16	0.001 V		1M Ω
0 to 200V AC	34A17	0.1 V		10 M Ω	35A17	0.01 V		10M Ω
0 to 1000V AC	34A18	1 V		10 M Ω	35A18	0.1 V		10M Ω

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

Range	3 1/2 Digit Panel Meters				4 1/2 Digit Panel Meters			
	Model No.	Resolution	Accuracy	Input Impedance	Model No.	Resolution	Accuracy	Input Impedance
0 to ± 200 μ A DC	34A34	0.1 μ A	$\pm 0.5\% \pm 2$ least counts	1K Ω	—	$\pm 0.1\% \pm 2$ least counts	—	
0 to ± 2 mA DC	34A35	0.001 mA		100 Ω	35A35		0.0001 mA	100 Ω
0 to ± 20 mA DC	34A36	0.01 mA		10 Ω	35A36		0.001 mA	10 Ω
0 to ± 200 mA DC	34A37	0.1 mA		1 Ω	35A37		0.01 mA	1 Ω
0 to ± 2 A DC	34A38	0.001 A		0.1 Ω	35A38		0.0001 A	0.1 Ω
0 to ± 10 A DC	34A39	0.01A		0.01 Ω	35A39		0.001A	0.01 Ω
External shunt operated for high DC currents *	34A42	As per shunt used		Shunt resistance	35A42		As per shunt used	Shunt Resistance

* 0 to 20A AC for portable and panel mounting meters of cabinet size 96mm x 96mm x 75mm.

** For details of shunts, refer to catalog of shunts.

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

Range	3 1/2 Digit Panel Meters				4 1/2 Digit Panel Meters			
	Model No.	Resolution	Accuracy	Input Impedance	Model No.	Resolution	Accuracy	Input Impedance
0 to 200 μ A AC	34A54	0.1 μ A	$\pm 0.5\% \pm 2$ least counts	1K Ω	—	$\pm 0.5\% \pm 2$ least counts	—	
0 to 2mA AC	34A55	0.001 mA		100 Ω	35A55		0.0001 mA	100 Ω
0 to 20mA AC	34A56	0.01 mA		10 Ω	35A56		0.001 mA	10 Ω
0 to 200mA AC	34A57	0.1 mA		1 Ω	35A57		0.01 mA	1 Ω
0 to 2A AC	34A58	0.001 A		0.1 Ω	35A58		0.0001 A	0.1 Ω
0 to 10A AC	34A59	0.01A		0.01 Ω	35A59		0.001A	0.01 Ω
External CT operated for high AC currents*	34A62	As per shunt used		0.04 Ω	35A62		As per CT used	0.04 Ω

For details of shunts and CT, refer to Page No. 26.

PROCESS PARAMETER MEASUREMENTS

(USING TRANSDUCERS OF 4 TO 20 mA DC OUTPUT)

Range	Model No.	Resolution	Accuracy	Input Impedance.
4 to 20 mA DC (4 mA displays 0, 20mA displays value of parameter)	34A36A	1 in 2000	$\pm 0.5\% \pm 2$ least counts	Less than 10 Ω

MAINS (LINE) FREQUENCY MEASUREMENTS (4 DIGIT)

Range of measurement	Model No.	Resolution least count	Accuracy
30.00 to 70.00 Hz	34A81	0.01 Hz	$\pm 0.01\% \pm 0.01$ Hz

Manufactured / Marketed by
AGRAWAL ELECTRONICS

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