

DC VOLTS

RANGE	RESOLUTION	ACCURACY (2 YEARS)	
		$\pm(\%rdg + counts)$ 18°-28°C	
200mV	100 μ V		
2 V	1mV		
20 V	10mV	$\pm(0.25\% + 1)$	
200 V	100mV		
1000 V	1 V		

MAXIMUM ALLOWABLE INPUT: 1000V DC or peak AC non-switched, 750V peak switched.

INPUT RESISTANCE: 10M Ω .

NORMAL MODE REJECTION RATIO: Greater than 46dB at 50Hz, 60Hz.

COMMON MODE REJECTION RATIO: Greater than 100dB at DC, 50Hz and 60Hz (1k Ω unbalance).

AC VOLTS

RANGE	RESOLUTION	ACCURACY (2 YEARS)*		FREQUENCY RANGE
		$\pm(\%rdg + counts)$ 18°-28°C		
200mV	100 μ V			
2 V	1mV			
20 V	10mV	$\pm(1\% + 3)$		45Hz-500Hz
200 V	100mV			
750 V	1 V			

MAXIMUM ALLOWABLE INPUT: 1000V peak non-switched, 750V peak switched; continuous except 200mV range: 15s max above 300V.

INPUT IMPEDANCE: 10M Ω shunted by less than 100pF.

RESPONSE: Average responding, calibrated in rms of a sine wave.

*Above 10 counts.

OHMS

RANGE	RESOLUTION	ACCURACY (2 YEARS)		FULL SCALE VOLTAGE
		$\pm(\%rdg + counts)$ 18°-28°C		
200 Ω	100m Ω	$\pm(0.5\% + 4)$		< 0.5V
2 k Ω	1 Ω	$\pm(0.2\% + 1)$		< 0.5V
20 k Ω	10 Ω	$\pm(0.2\% + 1)$		> 0.7V
200 k Ω	100 Ω	$\pm(0.2\% + 1)$		> 0.7V
20M Ω	10 k Ω	$\pm(2\% + 1)$		> 0.7V

MAXIMUM OPEN CIRCUIT VOLTAGE: 1.5V.

MAXIMUM ALLOWABLE INPUT: 300V DC or rms.

DC AMPS

RANGE	RESOLUTION	ACCURACY (2 YEARS)		MAXIMUM FULL SCALE VOLTAGE BURDEN
		$\pm(\%rdg + counts)$ 18°-28°C		
2mA	1 μ A	$\pm(0.75\% + 1)$		0.25V
20mA	10 μ A	$\pm(0.75\% + 1)$		0.25V
200mA	100 μ A	$\pm(0.75\% + 1)$		0.25V
2000mA	1mA	$\pm(2\% + 1)$		0.7 V
10 A	10mA	$\pm(2\% + 1)$		0.3 V

OVERLOAD PROTECTION: mA input: 2A fuse (250V), externally accessible; 10A input: 20A for 15s unfused.

AC AMPS

RANGE	RESOLUTION	ACCURACY (2 YEARS)*	MAXIMUM
		\pm (%rdg + counts) 18°-28°C (45Hz-500Hz)	FULL SCALE VOLTAGE BURDEN
2mA	1 μ A	\pm (2% + 2)	0.25V
20mA	10 μ A	\pm (2% + 2)	0.25V
200mA	100 μ A	\pm (2% + 2)	0.25V
2000mA	1mA	\pm (3% + 5)	0.7 V
10 A	10mA	\pm (3% + 5)	0.3 V

OVERLOAD PROTECTION: mA input: 2A fuse (250V), externally accessible; 10A input 20A for 15s unfused.

*Above 10 counts.

GENERAL

DISPLAY: 3 1/2 digit LCD, 0.8" height, with polarity and range indication.

OVERRANGE INDICATION: 3 least significant digits blanked.

MAXIMUM COMMON MODE VOLTAGE: 500V peak.

OPERATING ENVIRONMENT: 0° to 50°C; less than 80% relative humidity up to 35°C, linearly derate 3% RH/°C from 35°C to 50°C.

STORAGE ENVIRONMENT: -35°C to 60°C.

TEMPERATURE COEFFICIENT: (0° to 18°C and 28° to 50°C): Less than 0.1 x applicable accuracy specification per °C.

POWER: 9V alkaline or carbon-zinc battery (NEDA 1604).

BATTERY LIFE: 100 hours typical with carbon-zinc cells, 200 hours with alkaline cells.

BATTERY INDICATOR: Display indicates BAT when less than 10% of life remains.

DIMENSIONS, WEIGHT: 178mm long x 78mm wide x 42mm thick (7.0" x 3.1" x 1.6"). Net weight 283gm (10 oz.).

ACCESSORIES SUPPLIED: Battery, test leads and operating instructions.

ACCESSORIES AVAILABLE:

Model 1301:	Temperature Probe
Model 1304:	Soft Carrying Case & Stand
Model 1306:	Deluxe Carrying Case
Model 1309:	Spare Parts Kit
Model 1600A:	High Voltage Probe
Model 1651:	50-Ampere Current Shunt
Model 1681:	Clip-On Test Lead Set
Model 1682A:	RF Probe
Model 1683:	Universal Test Lead Kit
Model 1685:	Clamp-On Current Probe
Model 1691:	General Purpose Test Lead Set