

Price list
Electrical and Electronic Standards laboratory (EEL)

ITEMS	PARAMETER	RANGE	ACCREDITATION	METHOD	PRICE	REMARK
AC/DC Measuring Instrument	DC Voltmeter	0 mV - 1000 V	√	Direct measurement with multifunction calibrator	First Range 700 later range +300/range	
	AC Voltmeter	220 μV - 1000 V	√			
	DC Ammeter	0 μA - 11 A	√			
	AC Ammeter	0 μA - 11 A	√			
	Ohm meter	0 Ω - 330 MΩ	√			
	Capacitance meter	330 pF - 1100 μF				
	Digital Multimeter £ 5.5 Digits	All ranges all functions	√		3,500	
	Digital Multimeter 6.5 Digits	All ranges all functions	√		4,500	
Digital Multimeter 7.5 Digits	All ranges all functions	√	5,500			
AC/DC Generating Instrument	DC Voltage	0 mV - 1000 V	√	Direct measurement with digital multimeter 8.5 digits	First Range 700 later range +300/range	
	AC Voltage	1 mV - 700 V	√			
	DC Current	0 μA - 1 A	√			
	AC Current	5 μA - 1 A	√			
	DC Resistance	0 Ω - 1 GΩ	√			
DC High Voltage	DC High Voltage Meter	1 kV - 10 kV	√	Comparison with DCHV divider and DCV meter reading	1800	
	DC High Voltage Meter	>10 kV - 60 kV			+ 400/5kV	
	DC High Voltage Probe	0.5 kV - 10 kV			1800	
	DC High Voltage Probe	>10 kV - 60 kV			+ 400/5kV	
	DC High Voltage Source / Withstanding Voltage Tester	0.5 kV - 10 kV	√	Indirect measurement (to step down 50000:1 and direct measurement)	1,800	
	Cutoff Current (for high voltage)	0.5 -10 mA@1000V		Comparison with Current Meter	100/point	
AC High Voltage	AC High Voltage Meter	0 kV - 10 kV		Comparison with ACHV divider and ACV meter reading	1800	
	AC High Voltage Meter	>10 kV - 10 kV			+ 400/5kV	
	AC High Voltage Probe	0 kV - 10 kV			1800	
	AC High Voltage Probe	>10 kV - 10 kV			+ 400/5kV	
	AC High Voltage Source / Withstanding Voltage Tester	0 kV - 10 kV		Indirect measurement (to step down 50000:1 and direct measurement)	1,800	
AC High Voltage	Cutoff Current (for high voltage)	0.5 -10 mA@1000V		Comparison with Current Meter	100/point	

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Resistance measuring instrument	DC Resistance Meter	0 Ω - 330 MΩ	√	Direct measurement with multiproduct calibrator	First Range 700 later range +300/range	
	Earth Tester	0 Ω - 100 kΩ		Direct measurement with decade resistance box	First Range 700 later range +300/range	
	High Resistance Meter/ Insulation Tester	1 MΩ - 1 TΩ (@ 250 V, 500 V, 1 kV)	√	Direct measurement with standard resistor	First Range 700 later range +300/range	
Resistance generating instrument	DC Resistance Source/ Decade Resistance Box	0 Ω - 1 GΩ	√	Direct measurement with digital multimeter 8.5 digits	First Range 700 later range +300/range	
	Wheatstone Bridge/ Double Bridge	1 mΩ - 100 kΩ		Direct measurement with standard resistor	2,500	
Capacitance measuring instrument	Capacitance 4 terminals (@120 Hz , 1 kHz, 10 kHz)	1 pF - 1 μF	√	Direct measurement with standard capacitor	First Range 1000 later range +400/range	
Inductance measuring instrument	Inductance 4 terminals (@1 kHz)	100 mH, 10mH, 1H	√	Direct measurement with standard inductor	First Range 1000 later range +400/range	
AC/DC clamp measuring instrument	DC Clamp Meter	0.33 A - 550 A	√	Direct measurement with calibrator and 50 turn current coil	First Range 700 later range +300/range	
	AC Clamp Meter	0.33 A - 550 A	√	Direct measurement with calibrator and 50 turn current coil	First Range 700 later range +300/range	
AC / DC Power measuring instrument	DC Power	1.089 W - 11.22 kW	√	Direct measurement with multiproduct calibrator	First Range 700 later range +300/range	
AC / DC Power measuring instrument	AC Power @ 45 - 65 Hz at power factor = 1	10.89 W - 11.22 kW	√	Direct measurement with multiproduct calibrator	First Range 700 later range +300/range	
Digital Tachometer	Photo type	30 rpm - 99996 rpm	√	Direct measurement with multifunction synthesizer	1,200	
	Contact type	1.2 rpm - 9996 rpm	√		1,200	
Surface speed measuring instrument	Contact type	1.02 mpm - 1998 mpm	√		1,200	
Frequency generating instrument	Frequency source instrument	10 Hz - 225 MHz	√	Direct measurement	2,000	
	Quartz stop watch	32 Hz, 64 Hz, 512 Hz, 1024 Hz	√	with universal counter	700/point	
	Electronic timer	1 s - 89.99 s	√	Direct measurement with quartz stop watch	1,000	
		1.5 min - 100 min	√		1,200	

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pH Meter	Electrical mode	0 mV - 1.999 V	√	Direct measurement with Voltage source	1,500	
	Chemical mode	pH 4, 7, 9	√	Direct measurement with CRM	1,500	
Sound calibrator/ Pistonphone/ Acoustic calibrator	Sound pressure level	94 dB @1000 Hz	√	Insert voltage technique	2,000/point later point +500/point	
		104 dB@ 1000 Hz				
		114 dB @ 1000 Hz				
		114 dB @ 250 Hz				
Sound Level meter/ Noise dosimeter	Sound pressure level	IEC 61672-3 clause 11 Acoustic signal test of A,C frequency weighting	√	Direct measurement with multifrequency calibrator	1,500	
	IEC 61672-3 all clauses	IEC 61672-3 all clauses (except clauses 11) IEC 61672-3 clause 11 Acoustic signal test of A,C frequency weighting		Direct measurement Substitution method in anechoic room	4,000	