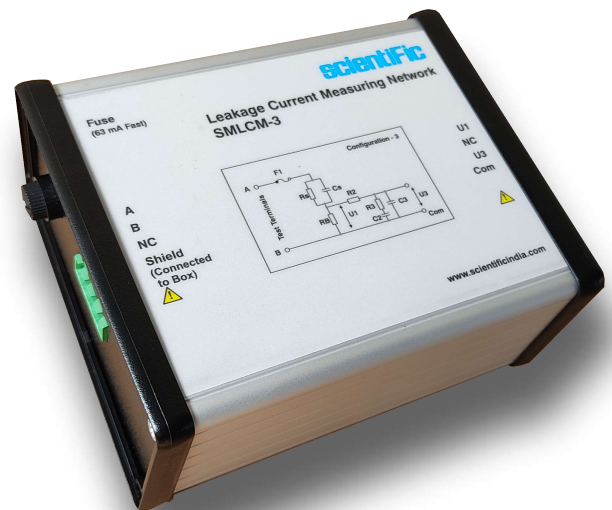


Leakage Current Measuring Network SMLCM series

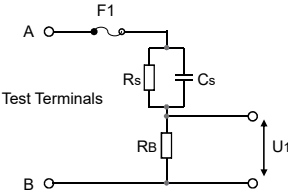
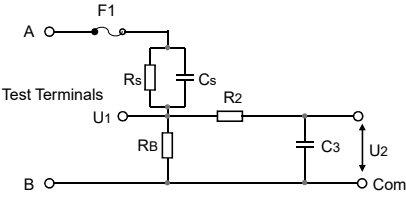
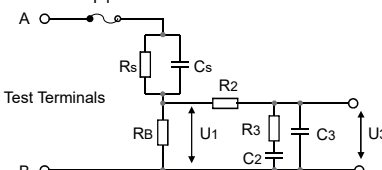
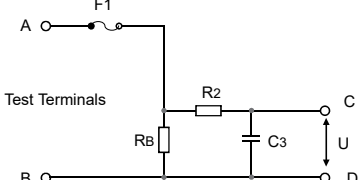
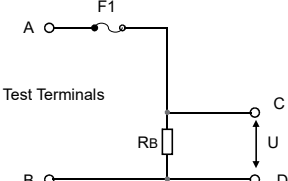
The SMLCM series Leakage Current Measuring networks are design to meet requirement of leakage measurement or touch leakage current safety testing as per various Standards. These are used in testing of Electrical-Electronic equipments, Medical equipments , instruments with ac leakage current due to inherent characteristics or EMI suppression requirements or leakage current because of electrical electronic circuits used. The amount of leakage current is governed by several relevant international standards.

The meters used for measurements, voltmeter must have adequate frequency response and accuracies.

Input and output terminal blocks connections allows user to verify the circuit components values. These are special networks designed with shielding and effective ground. All the units are supplied with factory calibration reports.

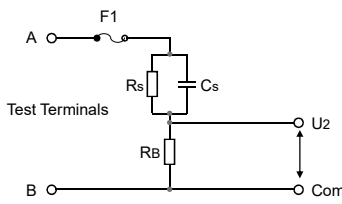
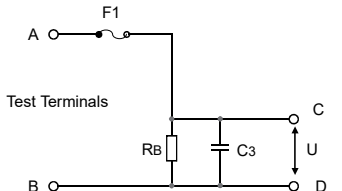


Technical Specifications

SMLCM-1 Network Configuration : 1 Compliance Standards : IEC 60990 :2016 Fig 3, IEC61010 :2010 Fig A.3(unweighted touch)	 Rs 1500 Ω RB 500 Ω Cs 0.22 μF
SMLCM-2 Network Configuration : 2 Compliance Standard : IEC 60990:2016 Fig 4, IEC 60950-1:2005 Fig D.1, IEC 61010-1:2010 Fig A.1, IEC 60335-1:2012 Cl 13.2, IEC 60065:2014 U1, U2, IEC62368:2014 (Perception or reaction touch)	 Rs 1500 Ω RB 500 Ω R2 10000 Ω Cs 0.22 μF C3 0.022 μF
SMLCM-3 Network Configuration : 3 Compliance Standard : IEC 60990:2016 Fig. 5 (Let go)	 Rs 1500 Ω RB 500 Ω R2 10000 Ω R3 20000 Ω Cs 0.22 μF C2 0.0062 μF C3 0.0091 μF
SMLCM-4 Network Configuration : 4 Compliance Standard : IEC 60601:2012 Fig 12 (Measuring device)	 RB 1000 Ω R2 10000 Ω C3 0.015 μF
SMLCM-5 Network Configuration : 5 Compliance Standard : IEC 61010-1:2010 Fig A.2 (dc-100 kHz)	 RB 2000 Ω

Leakage Current Measuring Network SMLCM series

Technical Specifications

SMLCM-6 Network Configuration : 6 Compliance Standard : IEC 61010-1: 2010 Fig A.4 (Wet location)	 Rs 375 Ω RB 500 Ω Cs 0.22 μF
SMLCM-7 Network Configuration : UL Compliance Standard : UL Freq. dc-100 kHz	 RB 1500 Ω C3 0.15 μF

Common Specifications	
Resistors & Capacitors Accuracy	Resistors : $\pm 1\%$ Capacitors : $\pm 2\%$
Voltage max.	300 Vrms to enclosure
AC input frequency	50 - 440 Hz
Current max.	100 mArms
Input Terminals	Detachable Terminal Block
Measurement Port	4 mm Banana socket for DMM connection & Detachable Terminal Block, either can be used
Frequency Response	upto 1 MHz
Operating Temperature	0 - 40°C, RH 95%(Uncondensed)
Dimension	W 130 , D 105 , H 58 mm approx.
Weight	380 gms.

Standard Accessories :

- Terminal Block Header for Input and Output connections
- Set of Crocodile clip
- Factory Calibration Report

Subject to Change

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