

Multifunction Meter

The product should have,

- Short circuit loop impedance test (Z_{L-PE} , Z_{L-N} , Z_{L-L}) from 0.13 Ω ...1999.9 Ω according to IEC 61557
- Short circuit loop impedance test without RCD tripping (Z_{L-PE}) from 0.50 Ω ...1999.9 Ω according to IEC 61557.
- RCD tripping time test for general and short-time delay RCD up to 300 ms with the resolution of 1ms
- RCD tripping time test for selective RCD up to 500 ms with the resolution of 1ms
- Measurement of RCD tripping current test up to 1000 mA.
- Earth resistance
 - 1) 3-Pole method (0.50 Ω ...1.99 k Ω with the accuracy of from \pm (2% m.v. + 3 digits)
- **Insulation resistance measurement with 50V, 100V, 250V, 500V, 1000V up to 3.00 G Ω with the accuracy of \pm 3%**
- Resistance of protective conductors and equipotential bondings
 - 1) Measurement of resistance of protective conductors and equipotential bondings with \pm 200 mA current from 0.12 Ω ...400 Ω acc. to IEC 61557-4 with the accuracy of \pm 2%
 - 2) Measurement of resistance with low current from 0.0 Ω ...1999 Ω with the accuracy of \pm 3%
- Phase sequence indication- in the same direction (correct), opposite direction (incorrect), UL-L voltage: 95 V...500 V (45 Hz...65 Hz)
- Power measurement $\cos\phi$, active (P), reactive (Q) and apparent (S) power by using clamp up to 200VA
- Safety standard in accordance with the EN 61326-1 & EN 61326-2-2
- CAT IV 300V (III 600V)
- Battery chemistry should be Ni-MH with 4.8V 4.2AH
- Software for report generation.
- Interface USB & Radio
- Memory up to 990 results
- Ingress protection: IP54
- Quality standard: ISO 9001
- Weight should not more 2.5 kg
- Operating temperature 0 to 50°C