

| Function                    |  | Measuring range   | Resolution                             | Accuracy   |
|-----------------------------|--|---|--|--|
| CONTINUITY                  | Test Current 7 mA 2-wire                   | 0.00 Ω ... 19.99 Ω<br>20.0 Ω ... 1999 Ω   | 0.1 Ω<br>1 Ω                           | ±(5 % of r. + 5 digits)  |
|                             | Test Current 200 mA 2-wire                 | 0.00 Ω ... 19.99 Ω<br>20.0 Ω ... 199.9 Ω<br>200.0 Ω ... 1999 Ω  | 0.01 Ω<br>0.1 Ω<br>1 Ω                 | ±(3 % of r. + 3 digits)<br>±(5 % of r.)<br>±(5 % of r.)  |
| INSULATION RESISTANCE       | Test Voltage 50/100/250 V                  | 0.00 MΩ ... 19.99 MΩ<br>20.0 MΩ ... 99.9 MΩ<br>100.0 MΩ ... 199.9 MΩ  | 0.01 MΩ<br>0.1 MΩ                      | ±(5 % of r. + 3 digits)<br>±(10 % of r.)<br>±(20 % of r.)  |
|                             | Test Voltage 500/1000 V                    | 0.00 MΩ ... 19.99 MΩ<br>20.0 MΩ ... 99.9 MΩ<br>200 MΩ ... 999 MΩ  | 0.01 MΩ<br>0.1 MΩ<br>1 MΩ              | ±(5 % of r. + 3 digits)<br>±(5 % of r.)<br>±(10 % of r.)   |
| RCD                         | RCD U <sub>c</sub>                         | 0.00 V ... 19.99 V<br>20.0 V ... 99.9 V   | 0.1 V                                  | (-0%/±15 %) of r. ± 10 digits<br>(-0%/±15 %) of r.   |
|                             | RCD (t)                                    | 0.0 ms ... 40.0 ms<br>0.0 ms ... max.time   | 0.1 ms                                 | ±1 ms<br>±3 ms   |
|                             | RCD I Ramp                                 | 0.2xI <sub>ΔN</sub> ... 1.1xI <sub>ΔN</sub> (AC)<br>0.2xI <sub>ΔN</sub> ... 1.5xI <sub>ΔN</sub> (A),<br>I <sub>ΔN</sub> ≥30 mA)<br>0.2xI <sub>ΔN</sub> ... 2.2xI <sub>ΔN</sub> (A),<br>I <sub>ΔN</sub> <30 mA)<br>0.2xI <sub>ΔN</sub> ... 2.2xI <sub>ΔN</sub> (B) | 0.05xI <sub>ΔN</sub>                   | ±0.1xI <sub>ΔN</sub>   |
| IMPEDANCE                   | Zline L-L, L-N Ipsc                        | 0.00 Ω ... 9.99 Ω<br>10.0 Ω ... 99.9 Ω<br>100 Ω ... 999 Ω<br>1.00 kΩ ... 9.99 kΩ  | 0.01 Ω<br>0.1 Ω<br>1 Ω<br>10 Ω         | ±(5 % of r. + 5 digits)<br>±(10 % of r.)"  |
|                             | Zloop L-PE, Ipfcc                          | 0.00 Ω ... 9.99 Ω<br>10.0 Ω ... 99.9 Ω<br>100 Ω ... 999 Ω<br>1.00 kΩ ... 9.99 kΩ  | 0.01 Ω<br>0.1 Ω<br>1 Ω<br>10 Ω         | ±(5 % of r. + 5 digits)<br>±(10 % of r.)   |
| VOLTAGE                     | TRMS                                       | 0 ... 550 V   | 1 V                                    | ±(2 % of r. + 2 digits)  |
|                             | Frequency                                  | 0.00 Hz .. 9.99 Hz<br>10.0 Hz ... 499.9 Hz  | 0.01 Hz<br>0.1 Hz                      | ±(0.2 % of r. + 1 digits)  |
| CURRENT                     | TRMS, AC with A1018                        | 0.0 mA ... 99.9 mA<br>100 mA ... 999 mA<br>1.00 A ... 19.99 A   | 0.1 mA<br>1 mA<br>0.01 A               | ±(5 % of r. + 5 digits)<br>±(3 % of r. + 3 digits)<br>±(3 % of r.)                                     |
|                             | TRMS, AC with A1019                        | 0.0 mA ... 99.9 mA<br>100 mA ... 999 mA<br>1.00 A ... 19.99 A   | 0.1 mA<br>1 mA<br>0.01 A               | indicative<br>±(5 % of r.)<br>±(3 % of r.)   |
|                             | TRMS, AC/DC with A1391, range=40A          | 0.00 A ... 1.99 A<br>2.00 A ... 19.99 A<br>20.0 A ... 39.9 A  | 0.01 A<br>0.01 A<br>0.1 A              | ±(3 % of r. + 3 digits)<br>±(3 % of r.)<br>±(3 % of r.)  |
|                             | TRMS, AC/DC with A1391, range = 300A       | 0.00 A ... 19.99 A<br>20.0 A ... 39.9 A<br>40.0 A ... 299.9 A   | 0.01 A<br>0.1 A<br>0.1 A               | indicative<br>±(3 % of r. + 5 digits)  |
| EARTH RESISTANCE            | 3 wire                                     | 0.00 Ω ... 19.99 Ω<br>20.0 Ω ... 199.9 Ω<br>200.0 Ω ... 9999 Ω  | 0.01 Ω<br>0.1 Ω<br>1 Ω                 | ±(5 % of r. + 5 digits)  |
|                             | 2 clamp                                    | 0.00 Ω ... 19.99 Ω<br>20.0 Ω ... 30.0 Ω<br>30.1 Ω ... 99.9 Ω  | 0.01 Ω<br>0.1 Ω<br>0.1 Ω               | ±(10 % of r. + 10 digits)<br>±(20 % of r.)<br>±(30 % of r.)  |
|                             | Specific earth resistance                  | 0.0 Ωm ... 99.9 Ωm<br>100 Ωm ... 999 Ωm<br>1.00 Ωmk ... 9.99 kΩm<br>10.0 Ωmk ... 99.9 kΩm   | 0.1 Ωm<br>1 Ωm<br>0.01 kΩm<br>0.1 kΩm  | ±5 % of r.) for Re 1 Ω... 1999kΩ<br>±10 % of r.) for Re 2 kΩ... 19.99kΩ<br>±20 % of r.) for Re > 20 kΩ |
| FIRST FAULT LEAKAGE CURRENT |  | 0.0 mA ... 19.9 mA  | 0.1 mA                                 | ±(5 % of r. + 3 digits)  |
| IMD TEST                    | Threshold indicative insulation resistance | 5 ... 640 kΩ  | 5 kΩ                                   | Indicative values, up to 128 steps   |
| ILLUMINANCE                 | Type B                                     | 0.01 lux ... 19.99 lux<br>20.0 lux ... 199.9 lux<br>200 lux ... 1999 lux<br>2.00 klux ... 19.99 klux  | 0.01 lux<br>0.1 lux<br>1 lux<br>10 lux | ±(5 % of r. + 2 digits)<br>±(5 % of r.)  |
|                             | Type C                                     | 0.01 lux ... 19.99 lux<br>20.0 lux ... 199.9 lux<br>200 lux ... 1999 lux<br>2.00 klux ... 19.99 klux  | 0.01 lux<br>0.1 lux<br>1 lux<br>10 lux | ±(10 % of r. + 3 digits)<br>±(10 % of r.)  |
| GENERAL                     | Power supply                               | 9 VDC (6x1.5 V battery or accu, size AA)  |  |  |
|                             | Overvoltage category                       | 1000 V DC CAT II; 600 V CAT III; 300 V CAT IV   |  |  |
|                             | Protection class                           | double insulation   |  |  |
|                             | COM port                                   | BT, USB, RS232  |  |  |
|                             | Weight                                     | 1.3 kg  |  |  |
|                             | Size (l x h x w)                           | 230 x 103 x 115 mm  |  |  |