



## 1630-2 FC Earth Ground Clamp

URL: <https://www.sxplc.com/1630-2-fc-earth-ground-clamp>

### Product data sheet

| Electrical Specifications                                                  |                                          |
|----------------------------------------------------------------------------|------------------------------------------|
| Maximum voltage to earth ground                                            | 1000 V                                   |
| Battery type                                                               | AA alkaline IEC/B                        |
| Battery life                                                               | More than 15                             |
| * In Ground Resistance measurement mode, with backlight turned off, and RF |                                          |
| Frequency range                                                            | 40 Hz to 1                               |
| Ingress protection                                                         | IEC/EN 60529: IP30                       |
| LCD                                                                        | Digital reading                          |
|                                                                            | Refresh rate                             |
| Operating temperature                                                      | -10 °C to + 50 °C                        |
| Storage temperature                                                        | -20 °C to +                              |
| Operating humidity                                                         | Non condensing (<10                      |
|                                                                            | ?90% RH (at 10 °C to 30 °                |
|                                                                            | ?75% RH (at 30 °C to 40 °                |
|                                                                            | ?45% RH (at 40 °C to 50 °C               |
|                                                                            | (Non conde                               |
| Operating altitude                                                         | 2000 m (656                              |
| Storage altitude                                                           | 12 000 m (39,                            |
| Reference temperature                                                      | 23 °C ±5 °C (73                          |
| Temperature coefficient                                                    | 0.15% x (specified accuracy)/ °C (<18 °C |
| Overload indication                                                        | OL                                       |
| Data logging capacity                                                      | Minimum of 32,760                        |
| Data logging interval                                                      | 1 second to 59 minutes                   |
| Display reading specification with standard loop resistance                |                                          |
| Input (?)                                                                  | Minimum                                  |
| 0.474                                                                      | 0.417                                    |
| 0.5                                                                        | 0.443                                    |
| 10                                                                         | 9.55                                     |
| 100                                                                        | 96                                       |
| Safety                                                                     |                                          |
| General                                                                    | IEC/EN 61010-1: Pollution De             |
| Measurement                                                                | IEC/EN 61010-2-032: CAT IV               |
| Current clamp for leakage current measurements                             | IEC/EN 61557-13: C                       |

|                                                                            |                               |
|----------------------------------------------------------------------------|-------------------------------|
| Resistance to earth                                                        | IEC/EN 61                     |
| Effectiveness of the Protective measures                                   | IEC/EN 615                    |
| Electromagnetic compatibility (EMC)                                        | International                 |
|                                                                            | Korea (KCC)                   |
|                                                                            | USA (FCC)                     |
| Wireless Radio                                                             |                               |
| Frequency range                                                            | 2412 MHz to 2                 |
| Output power                                                               | <10 mV                        |
| Radio frequency certification                                              | FCC ID:T68-FBLE 10            |
| General Specifications                                                     |                               |
| Conductor size                                                             | 40 mm (1.57 in) a             |
| Dimensions (L x W x H)                                                     | 283 x 105 x 48 mm (11         |
| Weight                                                                     | 880g (31                      |
| Warranty                                                                   | One ye                        |
| Earth Ground Loop Resistance                                               |                               |
| Range                                                                      | Accuracy <sup>1</sup> ± (% of |
| 0.025 ? to 0.249 ?                                                         | 1.5% + 0.                     |
| 0.250 ? to 0.999 ?                                                         | 1.5% + 0.                     |
| 1.000 ? to 9.999 ?                                                         | 1.5% + 0.                     |
| 10.00 ? to 49.99 ?                                                         | 1.5% + 0.                     |
| 50.00 ? to 99.99 ?                                                         | 1.5% + 0.                     |
| 100.0 ? to 199.9 ?                                                         | 3.0% + 1                      |
| 200.0 ? to 399.9 ?                                                         | 5.0% + 5                      |
| 400 ? to 599 ?                                                             | 10.0% + 1                     |
| 600 ? to 1500 ?                                                            | 20.00%                        |
| 1 Loop resistance with no inductance, conductor centered and perpendicular |                               |
| Earth ground leakage current mA                                            |                               |
| Autorange 50/60 Hz, True rms, crest factor CF ?3                           |                               |
| Range                                                                      | Resolution                    |
| 0.200 mA to 3.999 mA                                                       | 1 ?A                          |
| 4.00 mA to 39.99 mA                                                        | 10 ?A                         |
| 40.0 mA to 399.9 mA                                                        | 100 ?A                        |
| 0.400 A to 3.999 A                                                         | 1 mA                          |
| 4.00 A to 39.99 A                                                          | 10 mA                         |

