

# ETCR<sup>®</sup> EM3900 Lightning Protection Specialized Standard Resistor



## Product Function

Used for calibrating of the earth resistance tester, equipotential tester and other instrument.

## Product features

1. Made of high-precision winding resistors, it has stable performance and strong structure, and is particularly convenient for calibration.
2. Fully meet the national weather service order "Lightning Protection Device Detection Qualification Management Approach" specified in the range of  $10^{-3} \sim 10^5 \Omega$ .

## Technical Specification

|   |  |       |
|---|--|-------|
| <b>Function</b>                           | Used for calibrating of the earth resistance tester, equipotential tester and other instrument                 |       |
| <b>Range and Accuracy</b>                 | 0.001Ω   | 2%    |
|   | 0.01Ω  | 0.5%  |
|   | 0.1Ω   | 0.2%  |
|   | 1.0Ω   | 0.2%  |
|   | 10Ω  | 0.05% |
|   | 100Ω   | 0.05% |
|   | 1KΩ  | 0.05% |
|   | 10KΩ   | 0.05% |
|   | 100KΩ  | 0.05% |
| <b>Wiring Connection Method</b>           | 4-wire method  |       |
| <b>Power</b>                              | 1/2W   |       |
| <b>Temperature Coefficient</b>            | ±25ppm   |       |
| <b>Dimension</b>                          | 173mmX125mmX70mm   |       |
| <b>Weight</b>                             | Total weight: about 1.32kg(include accessories)  |       |
| <b>Test Line</b>                          | Each 2PCS of red 0.5m, black 0.5m  |       |
| <b>Working Temperature &amp; Humidity</b> | -10℃~40℃; Below 80%RH  |       |
| <b>Storage Temperature &amp; Humidity</b> | -20℃~60℃; Below 70%RH  |       |
| <b>Insulation Resistance</b>              | Above 10MΩ (500V between the circuit and housing)  |       |
| <b>Withstand Voltage</b>                  | AC 3700V/rms(between the circuit and housing)  |       |
| <b>Suitable Safety Standard</b>           | IEC61010-1, CAT III 600V, Pollution Grade, JJG166-1993[DC Resistor national metrology verification regulation] |       |
| <b>Accessories</b>                        | Meter: 1PCS; Test lines: 2PCS; Tool bag: 1PCS  |       |