

SKIM800

Insulation Monitoring Device



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Insulation Monitoring Device

SKIM800 intelligent insulation monitoring device uses low-frequency pulse square wave principle for insulation monitoring. The product is suitable for AC/DC hybrid systems and can be used for the main circuit and control circuit of IT systems (unearthed) below DC1000V and AC800V. SKIM800 can be used in 1kV~10kV AC/DC system by matching with coupler IEX3000.



SKIM800 Features

- Applicable to IT systems main circuits and control circuits below AC800V and DC1000V;
- Internal/external testing/reset buttons;
- Automatic and manual reset functions;
- Multi type, wide range control power input;
- Humanized and easy to operate interface, which can display various parameters and system leakage capacitance;
- DIN rail installation method;
- LCD screen display with backlight;
- Measure and display the insulation resistance of ungrounded systems;
- Measurement and display of leakage capacitance (C);
- Communication via Modbus RS-485;
- Adjustable response delay;
- N/O or N/C operation (optional).

SKIM800 Technical Data

| | |
|--|---|
| Power Supply | AC 85-265V DC18-36V |
| IT System Rated Voltage | AC800V/DC1000V |
| Rated Power | ≤5W |
| Rated impulse voltage | 8kV |
| Alarm Value Ran 1 | 1...20MΩ |
| Alarm Value Ran 2 | 1...20MΩ |
| Response time at R=0.5xRan and G=1 μ F | ≤4s |
| Measurement Accuracy (1~10kΩ) | ±1kΩ |
| Measurement Accuracy (10kΩ~20MΩ) | ±10% |
| +15 %Permissible Leakage Capacitance (Ce) | ≤ 200 μF (Distributed capacitance curve in the manual) |

| | |
|------------------------|------------------|
| Current output | 0mA~20mA (≤500Ω) |
| Measure voltage | 40V |
| Measure current | ≤200μA |
| DC internal resistance | ≥180 kΩ |
| AC impedance | ≥180 kΩ |
| Measuring range | 0...20MΩ |
| Weight | 0.6KG |
| Dimension | 135*89*110.2mm |
| Working temperature | -20°C ~ +60°C |
| Ambient humidity | ≤95% |

SKIM800 Application



Mine



Port



Ship



Steel

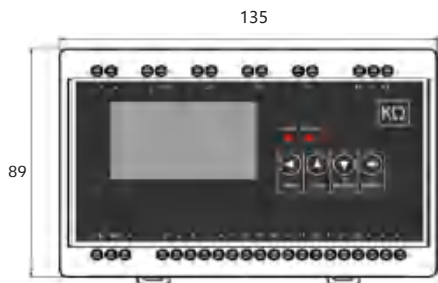


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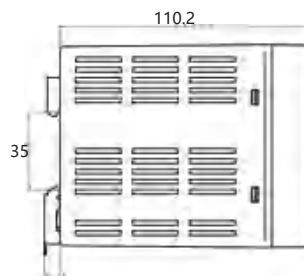


Power Generation

Installation Dimensions (Unit: mm)



Front



Side