SAT-8C
Cable Fault Locator

SYNERGY TELECOM PVT LTD

SAT-8C Cable Fault Locator adopts international advanced electronic measurement technology, which is a comprehensive instrument that integrates with ATDR, resistance meter, megohmmeter and automatic bridge. It is applicable for localization of break, cross, poor electric insulation and other faults of various telephone cables, high-frequency cables and coaxial cables. It is a capable for the line maintenance and construction in telecom industry..

Major Features

◎ English menu, touch color screen, simple operation
◎ Pulse reflection and intelligent bridge testing method with full-automatic and manual testing functions
◎ Testing for insulation resistance and loop resistance Insulation reach up to 50 MΩ
◎ Automatically judge the line state: break, cross, poor electric insulation and the high voltage
◎ DAGC(Digital Automatic Gain Control) and DWAR (Digital Waveform Automatic Recognize), it can automatically judge the wave form
◎ Field calibration function (unknown cable parameter:VOP and line diameter; Make calibration according to the known distance of the cable. automatic store the modified result); and cable calibrate function
◎ Default 0.32mm、0.4mm、0.5mm、0.6mm's telephone cables
◎ Store 10 testing waveforms. testing result can upload to PC, reviewing analyzing and printing
◎ Two waveforms comparison function
◎ With USB interface
◎ Built-in lithium battery, and its work up to 6 hours

Technical index

1. Pulse reflection testing method:
   ◎ Full-automatic measurement range 0~8 km
   ◎ Testing accuracy:
   1 m for measurement range ≤ 2 km; Accuracy ±2%
   8 m for measurement range ≥ 2 km; Accuracy ±2%
   ◎ Testing dead zone: 0 m
   ◎ Pulse width: 60ns-10μs automatic adjustment
   ◎ VOP: 0 ~ 300 m / μs
   ◎ Vertical gain: Range: 80 dB; Accuracy: 1 dB
   ◎ Impedance: 135 Ω (accuracy 1%)
2. Bridge testing method
   ◎ Poor insulation resistance: 0~50MΩ
   ◎ Testing length: Full length 9999m
   Sectional 9999m×3 sections
   ◎ Testing error: 1% × Full length of line
   ◎ With megohmmeter and ohmmeter's functions
3. DMM Technical index
   ◎ Insulation resistance: 0 ~ 50MΩ Minimum resolution: 10 kΩ, accuracy: ±3%
   ◎ Loop resistance: 0 ~ 9 kΩ. Minimum resolution: 0.1 Ω, accuracy: ±3%
   ◎ Voltage: AC/DC voltage 0 ~ 250V. Minimum resolution: 0.1V, accuracy: ±5%
   ◎ Capacitance: 0-1.3uF. Minimum resolution: 1nF, accuracy: ±5%
4. Power supply:
   ◎ AC Power: External AC power supply / Charger
   ◎ Battery: Built-in 2Ah lithium-ion rechargeable battery
   ◎ Working time：6 hours
   ◎ Charging time: 4 hours
5. Physical parameters
   ◎ Dimension L×W×H: 220×162×48mm
   ◎ Weight: 0.95kg
   ◎ Screen: 640×480 pixels and TFT touch color screen
   ◎ With USB and RJ11 interface
   ◎ Input Protection：± 400 V pk
6. Ambient parameters：
   ◎ Operating temperature：-10～50℃
   ◎ Storage temperature：-30～70℃
   ◎ Humidity：5%-90%（non-condensing）