Greenlee Communications Sidekick Plus

Raychem

Hand held cable fault locator

PRODUCT OVERVIEW



The Greenlee Sidekick Plus is a cable fault locater working on the principles of Time Domain Reflectometry or TDR. The Sidekick Plus is a hand held cable fault locater from the latest generation. It gives genuine universal performance for short and long-range applications on all types of metallic cable including many types of heating cable. Innovative features result in a versatile, cable-test instrument that is remarkably easy to use.

The Greenlee Sidekick Plus sold via Chemelex is preloaded with the Raychem heat-tracing cable characteristics.

Principles of operation

If a cable is metal and it has at least two conductors, it can be tested by a TDR. TDRs will troubleshoot and measure all types of cables. The TDR works on the same principle as radar. A pulse of energy is transmitted down the cable under test. When that pulse reaches the end of the cable, or a fault along the cable, part or all of the pulse energy is reflected back to the instrument. The TDR measures the time it takes for the signal to travel down the cable, see the problem, and reflect back. The TDR then converts this time to distance and displays the information as a waveform and/or distance reading.

The Sidekick Plus can be used to locate and identify faults in all types of metallic paired cables including heating cables. TDRs can locate both major and minor cabling problems including: sheath faults, broken conductors, water damage, loose connectors, crimps, cuts, smashed cables, shorted conductors, system components, and a variety of other fault conditions. In addition, TDRs can be used to test reels of cable for shipping damage, cable shortages, cable usage, and inventory management. The speed and accuracy of the Sidekick Plus makes it today's preferred method of cable fault location.

- Easy single-handed operation
- Light hand-held instrument for long and short range applications
- Usable for high variety of metallic cables
- Cable attenuation compensation and narrow pulse for clear and simple trace display
- Large, high resolution display
- Tactile push buttons
- Proven durability

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PRODUCT SPECIFICATIONS

Stress Test	0 to 82 dBrnC
AC Volts	250 V
DC Volts	300 V
Resistance	100 MΩ
Leakage	999 MΩ
Open Meter	Up to 18.6 miles (30 km)
Count Load Coils	0 to 5
Loop Current	110 mA
Circuit Loss	–70 to 3 dBm
Circuit Noise	0 to 90 dBrnC
Tracing Tone Generator	200 Hz to 20 kHz
Reference Tone Output Level	3 to –20 dBm
Custom Auto Test with Pass / Fail	400 Autotest Results
Display Resolution	320 x 240 sunlight readable
Battery	Li-ion
Battery Life (Typical)	8 hours
Weight (Including Battery)	3 lbs (1.4 kg)
Operating Conditions	–0.4°F to 122°F (–18°C to 50°C), 0 to 95% Humidity
IP Rating / Environmental Protection	BS EN 60529 level IP20CW
EAC certified	Yes

ORDERING INFORMATION

Part description	Sidekick Plus
PN (Weight)	1244-020944

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