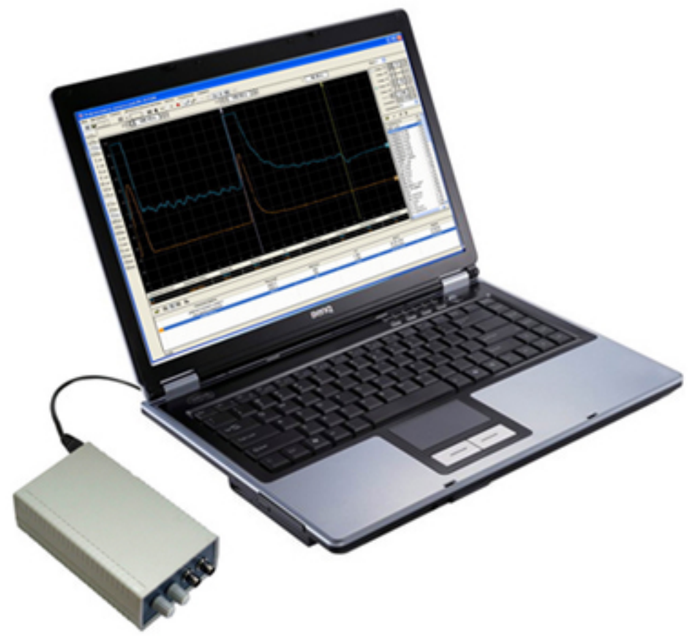
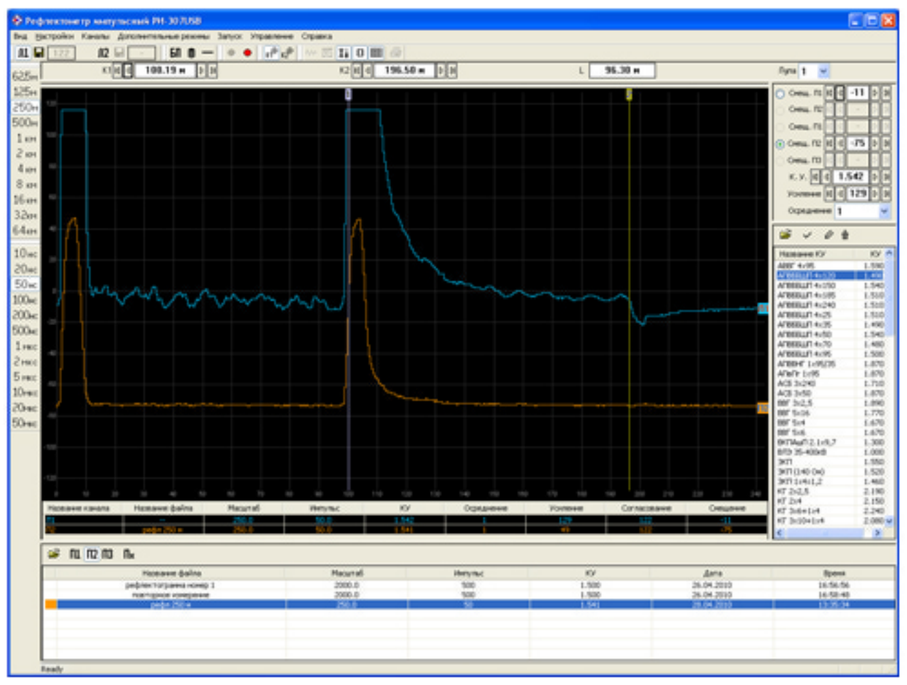
ERSTED ZAO, Russian Federation,
196244, Saint-Petersburg, box 28

International: www.fault-locator.com
Russian: www.ersted.ru

Cable Fault Locator TDR RI-307USBm





RI-307USBm is a complete functional analogue of the RI-307 at a much lower price and size. RI-307USBm designed to work in complex with PC.

TDR RI-307USBm is a 2-channel cable locator, designed to determine the nature and location of a fault in any type of metallic cable lines. You can even use a TDR RI-307USBm to troubleshoot and measure all types of twisted pair, coaxial and power cables, both aerial and underground.

TDR RI-307USBm allows you to define: opens, shorts, splices, splits and re-splits, bridged taps, water damage, crimps, cuts, smashed cables, shorted conductors, system components, and a variety of other fault conditions. In addition, TDR RI-307USBm can be used to test reels of cable for length, shipping damage, cable shortages, cable usage, inventory management and documenting cable systems.

Distance - up to 64 km; Accuracy 12.5 cm,
Pulse width from 10 ns to 50 μs

Made in the form of remote unit that connects to a PC via USB;

Purpose

The TDR RI-307USB can be used to:
- Locate wet/corroded splices
- Locate bridged taps
- Locate unknown splices
- Clear lines for ISDN, HDSL, ADSL
- Find in-line components
- Locate water in the cable
- Locate load coils
- Find splits and re-splits
- Aid in measuring and verifying new or partial cable reels
- Locate crushed, pinched or kinked cables
- Locate opens, shorts, and partials in the cable
- Locate bullet holes in the cable
- Capture intermittent faults
- Locate problems caused by construction
- Document or map cable networks and conditions
- Locate problems causing excessive loss of either AC or RF
- Verify cable installations prior to acceptance
- Detect theft of service
- Help pinpoint ingress and egress problems

...and a variety of other cabling problems.

Technical specifications

- **Display** used personal computer display
- **Supported operating systems** Microsoft Windows XP/7/8
- **The range of distance measurement (time delay)** from 0 to 64000 m (from 0 to 640 μs)
- **Subranges measurements** 0 – 62.5 m (0 – 0,625 μs), 0 – 125 m (0 – 1.25 μs), 0 – 250 m (0 – 2.5 μs), 0 – 500 m (0 to 5 μs); 0 – 1000 m (0 – 10 μs), 0 – 2000 m (0 – 20 μs), 0 – 4000 m (0 – 40 μs), 0 – 8000 m (0 – 80 μs), 0 – 16000 m (0 – 160 μs), 0 – 32000 m (0 – 320 μs), 0 – 64000 m (0 – 640 μs)
- **Instrumental error of the distance measurement** from 0.01% to 0.2% of reading (from 12,5 cm to 8 m depending on the subranges)
- **Effective sampling rate** 800 MHz
- **Range of impedance matching** from 25 Ω to 600 Ω
- **Pulse width from** 10 ns to 50 μs
- **Pulse amplitude** no more than 10 V
- **Sensitivity receiving tract** 1 mV
- **Dynamic range** 80 dB
- **VOP from** 30% to 100%
- **Power supply** Powered via USB (requires no batteries or power supply)
- **Time of continuous operation via USB** Unlimited
- **Overall dimensions** 175x95x47 mm
- **Operating Temperature Range** from -20 ° C to +40 °C
- **Weight of device** not more than 0.3 kg

Supplier: