




Ex-Works Price List (TDR instruments) 2019/2

TDR for applications on power lines				
№	Model	Description	Picture	Price
1	TDR-107	<ul style="list-style-type: none"> • 1-phase TDR with Arc Reflection method (ARM) • Display monochrome 5.7" (320×240 pixels); • Measuring distances from 5 m up to 50 km; • Scale ranges 250 m ... 50 km; • Output pulse amplitude 20 V (open circuit); • Output pulse width 10 ns ... 50 us; • instrumental error - 0.4%. <p>TDR-107 is intended for fault prelocation using 2 methods:</p> <ul style="list-style-type: none"> • TDR method, effective for low-resistance faults; • ARM method, allows to determine high-resistance faults. 		€ 2 262
2	TDR RI-407	<ul style="list-style-type: none"> • 1-phase TDR with ARC-REFLECTION (ARM) and WAVE (ICE, Decay) methods • Large bright color TFT 10" display 640×480; • Measuring distances from 1 m up to 256 km; • Scale ranges 62 m, 125m, ... ,128 km, 256 km; • Output pulse amplitude 18 V, 86 V (open circuit); • Output pulse width 10 ns ... 100 us; • Small instrumental error 0.01% ... 0.2% of reading allows to localize defects with an accuracy of up to 12.5 cm; • Continuous operating time on battery power at least 6 hours • USB-port for easy data exchange with PC • Weight of device with battery not more than 3.5 kg <p>TDR RI-407 is intended for fault prelocation using 3 methods:</p> <ul style="list-style-type: none"> • TDR method, effective for low-resistance faults; • ARM method, allows to determine high-resistance faults. • ICE, Decay allows to determine high-resistance faults. 		€ 3 390
3	Arc Discharge Generator ADG-200	<p>Designed to work on finding faults in complex with TDR-107 / TDR RI-407, significantly enhances their ability to detect defects of high impedance, beyond the localization of low-voltage TDR method.</p> <p>Provides the necessary conditions for the application of these modern methods of non-destructive testing on the power cables up to 10 kV: Arc-Reflection (ARM) method (with TDR-107, TDR RI-407, TDR-109), Current (ICE) method (with RI-407, TDR-109)</p> <ul style="list-style-type: none"> • The adjustment range of the output voltage 0...4 kV, 0... 10 kV; • The maximum stored energy in the internal capacitor 200 J; • Arc burning duration (ARM) 1...10 ms • Completely self-powered; • Small size: 520x320x300 mm – set free fits in the trunk of a car; • Light weight – 26 kg. 		€ 5 569
4	TDR-109	<ul style="list-style-type: none"> • 3-phase TDR with ARC-REFLECTION (ARM) and WAVE(ICE, Decay) methods • Display color TFT 5.7" 640×480; • Measuring distances from 5 m up to 128 km; • Scale ranges 62 m, 125m, ... ,128 km; • Output pulse amplitude 18 V, 86 V (open circuit); • Output pulse width 10 ns ... 100 us; • Small instrumental error 0.01147 ... 0.2% of reading allows to localize defects with an accuracy of up to 12.5 cm; • Continuous operating time on battery power at least 8 hours • USB-port for easy data exchange with PC • Weight of device with battery not more than 2.5 kg <p>TDR-109 is intended for fault prelocation using 3 methods:</p> <ul style="list-style-type: none"> • 3-phase TDR method, effective for low-resistance faults; • ARM method, allows to determine high-resistance faults. • ICE, Decay allows to determine high-resistance faults. 		€ 2 949

№	Model	Description	Picture	Price
TDR for applications requiring increased accuracy: CATV networks, pipelines leak detect system				
1	TDR RI-307M3	<ul style="list-style-type: none"> • 2-channel high precision TDR cable locator; • Large bright color TFT 5.7" display 640×480; • Measuring distances from 1 m up to 128 km; • Scale ranges 15 m, 30 m, ... ,64 km, 128 km; • Output pulse amplitude 20 V (open circuit); • Output pulse width 10 ns ... 50 us; • Small instrumental error - 0.01% ... 0.2% of reading allows to localize defects with an accuracy of up to 3 cm; • Continuous operating time on battery power at least 8 hours • USB-port for easy data exchange with PC • Weight of device with battery not more than 2.5 kg <p>A new version of RI-307 with an extended range of scales, extended bandwidth and resolution for applications in CATV networks, pipelines and so on.</p>		€ 2 978
TDR for wide range applications: telecom and power metallic cables				
2	TDR RI-307USB	<ul style="list-style-type: none"> • 2-channel TDR cable locator; • Uses personal computer display, MS Windows XP/7/8/10 ; • Measuring distances from 2 m up to 64 km; • Scale ranges 62 m, 125m, ... ,32 km, 64 km; • Output pulse amplitude 20 V (open circuit); • Output pulse width 10 ns ... 50 us; • Small instrumental error - 0.01% ... 0.2% of reading allows to localize defects with an accuracy of up to 12.5 cm; • Powered via USB (requires no batteries or power supply); • Weight of device not more than 0.3 kg. <p>RI-307USB is a complete functional analogue of the RI-307 at a much lower price and size.</p>		€ 1164
3	TDR RI-303T	<ul style="list-style-type: none"> • 1-channel TDR cable locator; • Display waveforms on the LCD 320×240 pixels; • Measuring distances from 2 m up to 4.8 km; • Scale ranges 30 m, 125m, ... , 4.8 km; • Output pulse amplitude 20 V (open circuit); • Output pulse width 10 ns ... 10 us; • High range resolution: 12.5 cm over the entire range; • Possibility of a detailed review of any portion of the waveform; • Built-in protection device input voltage up to 380 V; • Weight of device not more than 0.5 kg. <p>The optimum solution for rapid troubleshooting of cable networks – extremely easy to operate, compact and cheap TDR tester.</p>		€ 1078
4	TDR RI-10M2	<ul style="list-style-type: none"> • 1-channel TDR cable locator with a bridge; • Display monochrome 3.8" (320×240 pixels); • Measuring distances from 5 m up to 50 km; • Scale ranges 250 m, 500m, ... ,25 km, 50 km; • Output pulse amplitude 20 V (open circuit); • Output pulse width 10 ns ... 20 us; • instrumental error - 0.4%; • Cable bridge can determine the parameters of the cable (loop resistance, insulation resistance, resistive asymmetry, electric capacitance), and calculate the distance to the fault (open, low insulation resistance, short circuit). <p>Conveniently the combination of 2 devices in a single case. TDR-unit is used to detect low-resistance defects and bridge-unit for high-resistivity defects.</p>		€ 2 258



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1. This price-list is ex-factory.
2. Payment: TT 100% before shipment.
3. Packing: color box and carton.
4. Delivery: About 15-30 days after your payment by DHL/EMS/TNT.

Additional costs for the whole supply (independent of the quantity of goods)

1. EUR 275 – charge for expertise of Federal Export Control agency. This government service controls the export of dual-use goods (see <http://fstec.ru/en/358-structure> for details). TDRs are included to this list, so we must obtain a permit for the export for every export delivery. Since the cost of this expertise does not depend the number of identical products in the delivery, we usually include these costs as a separate line to the offer.
2. EUR 280 - this extra cost is for customs brokerage. Since this does not depend the number of products in the delivery, we usually include these costs as a separate line to the offer.