

Megger Teleflex SX	ERSTED TDR RI-407 «SWIFT»
	 The logo of the company "SPECTRA" is located in the top right corner of the image.
Measurement methods: <ul style="list-style-type: none"> ■ Symmetrical / unsymmetrical reflection measurement ■ Difference measurement / comparison ■ Two-channel reflection measurement (TDR) ■ Optimized support of all arc reflection methods by ΔU trigger or L + H edge trigger ■ ICE (impulse current methods) ■ IFL (intermittent fault locating) ■ Decay travelling wave method ■ ARM burning ■ Partial discharge pinpointing 	Measurement methods: <ul style="list-style-type: none"> ■ Symmetrical / unsymmetrical reflection measurement ■ Difference measurement / comparison ■ One-channel reflection measurement (TDR) ■ Optimized support of all arc reflection methods by Synchronization on External Trigger input or user adjustable Delay ■ ICE (impulse current methods) ■ IFL (intermittent fault locating) ■ Decay travelling wave method ■ ARM (SIM and MIM modes) burning
Distance range 20 m ... 160 km at $v/2 = 80 \text{ m}/\mu\text{s}$	Distance range 1 m ... 205 km at $v/2 = 80 \text{ m}/\mu\text{s}$
Pulse width 20 ns ... 10 μs	Pulse width 10 ns ... 100 μs
Pulse amplitude 10 ... 50 V	Pulse amplitude 9 ... 48 V (on match load) 18 ... 86 V (on open circuit)
Resolution 0.1 m at $v/2 80 \text{ m}/\mu\text{s}$	Resolution 0.1 m at $v/2 80 \text{ m}/\mu\text{s}$,
Sampling rate Up to 400 MHz (real sampling rate)	Sampling rate Up to 800 MHz (effective sampling rate) – in TDR 100 MHz (real sampling rate) – in ARM, ICE/Decay
Amplification - 37 ... + 37 db	Amplification - 36 ... + 37 db
De-attenuation 0 ... + 22 dB for ProRange (adjustable from 0 to 100%)	De-attenuation No function provided
Transit time setting v/2 10 ... 149.9 m/ μs , ft/ μs or nvp	Transit time setting v/2 50 ... 149.9 m/ μs , or PF, or VoP%
Dynamic response range > 80 dB	Dynamic response range 80 dB
Output impedance 50 Ω	Output impedance 75 Ω
Adjustment 8 Ω ... 500 Ω , adjustable	Adjustment Fixed 75 Ω , not adjustable
ARM trigger Automatic adjustment with ΔU trigger	ARM trigger Automatic adjustment with trigger input (external sync)

	Manual Delay adjustment (internal sync)
Blind spot No	Blind spot No
Withstand voltage < 400 V, operation only with separation filter	Withstand voltage < 400 V, operation only with separation filter UP-1
Display 10.4" colour TFT XGA 1,024 x 768, capacitive touchscreen, 600 cd/m ² , LED backlight, dimmable	Display 10.4" colour TFT SVGA 800x600 , 400 cd/m ² , LED backlight
Memory 4 GB mSATA for program and data	Memory >1000 TDR traces (8000 pixels per one TDR trace) >1000 Screen shots *.jpg file backup to an external USB drive
Connections Ethernet, USB, BNC, CAN (LON optional)	Connections Data exchange: <ul style="list-style-type: none">• USB Measuring: <ul style="list-style-type: none">• BNC TDR - TDR, ARM• BNC TRIG - external synchronization ARM• BNC WAVE - ICE, Decay methods
Protection class IP 65 enclosed, IP 54 open	Protection class IP 65 enclosed, IP 54 open
Supply Battery operation, 110 ... 240 V, 50/60 Hz, 30 VA, 10 V ... 17 V DC, 3,8 A	Supply Battery operation: > 6h continuous working External: 110 ... 240 V, 50/60 Hz, 40 VA, 12 V
Dimensions (W x H x D) 362 x 195 x 195 mm (option 19" plug-in, 6 HE)	Dimensions (W x H x D) 363 mm * 170 mm * 295 mm
Weight 10 kg	Weight < 5 kg
Operating temperature - 10 °C ... + 50 °C	Operating temperature - 20 °C ... + 40 °C
Storage temperature - 20 °C ... + 60 °C	- 50 °C ... + 50 °C