



Datasheet



0370 330 6021
www.sunbeltrentals.co.uk

Technical data

Range	20 m ... 160 km @ v/2 = 80 m/μs
Pulse width	20 ns ... 10 μs
Pulse amplitude	5 ... 50 V
Resolution	0,1 m @ v/2 80 m/μs, 1,0 cm @ v/2 < 40 m/μs
Sample rate	Up to 400 MHz
Gain	- 37 ... +37 db
De-attenuation	0 ... +22dB for ProRange (adjustable 0 ... 100 %)
Propagation velocity V/2	10 ... 149,9 m/μs, ft/μs or nvp
Dynamic range	> 80 dB
Output impedance	50 Ω
Compensation	8 Ω ... 500 Ω, adjustable
ARM trigger	Automatic adaptation by ΔU Trigger.
ARMslide	15 measurements in one ARM shot
Dead zone	None
Voltage proof input	> 400 V
Display	10.4" color TFT XGA 1024x768, touchscreen, 600 cd/m ² , CCFL-Backlight
Data storage	4 GB mSATA for program and data
Connectors	Ethernet, USB, BNC, CAN (LON optional)
Protection class	IP 65 closed, IP 54 open lid
Supply	110 ... 240 V, 50/60 Hz, 30 VA, 12 V ext
Dimensions (wxhxd)	362 x 195 x 306 mm (option 19", 6 HU)
Weight	10 kg
Operation temperature	-10 °C ... +50 °C
Storage temperature	-20 °C ... +60 °C

Options

The **Teleflex SX** is available as portable, battery operated stand-alone version but can also be integrated in any measuring system with 19" rack mounting.

Order information

Available May 2013

All advantages at a glance

- » Large 10.4" sunlight-readable colour display
- » Easiest operation by touchscreen and control knob
- » Support of all existing prelocation technologies
- » Automatic trace analysis (cable end and fault position indication)
- » Integrated battery
- » Top performance
- » Compatible with all fault location systems

Functions

- » ARMslide with 15 traces per ARM shot
- » ProRange technology
- » Dual phased reflectometer (TDR) with simultaneous colour display of up to 6 traces
- » Automatic adjustment and display of cable end and fault
- » High resolution by real sample rate of 400 MHz
- » Internal compensation for better details at short range
- » Large 2 GB memory for automatic storage of all data
- » USB interface for data transfer via memory stick and printer
- » Control of the SPG 40
- » Report generation in *.pdf format

The Teleflex SX supports the following technologies:

- » Symmetrical / unsymmetrical reflection measurement
- » Difference measurement / comparison
- » Two-phase reflection measurement (TDR)
- » Optimised support of all Arc reflection methods by ΔU Trigger
- » ICE (impulse current methods)
- » IFL (intermittent fault locating)
- » DECAY travelling wave method
- » ARM burning
- » Partial discharge pinpointing

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instrumentation@sunbeltrentals.co.uk

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