



SFX 8-1000

- DC-testing up to 8 kV
- Pre-locating
- Burning (fault conditioning) up to 8 kV
- Cable tracing (optional)
- Pin-pointing
- High burn current

Description

The SFX 8-1000 is a mobile and economical fault locating system, perfectly suitable for low and medium voltage cables as well as control cables or deep-well-pump cables.

The powerful ARM® (Arc Reflection Method) is used to pre-locate high resistance faults. Conditioning faults - if necessary - is possible by short-term burning in all voltage levels.

The Teleflex SX offers convenient operator support with online help and one-button-operation. It automatically shows the far end of cable and fault distance in the ARM-Mode.

Even inexperienced users can easily locate faults with the Teleflex SX. The operator is guided through the fault locating process.

1000 Joules of surge energy provide the necessary power for accurately pin-pointing cable faults with the acoustic method. Big wheels make the unit suitable for easy operation in the field. The modular set-up allows a flexible constellation of the SFX 8 to fit individual needs.

SPECIFICATIONS

Teleflex SX	
TDR	20 m ... 160 km @ v/2 = 80 m/μs
Transienten	20 m ... 160 km
Pulse width	20 ns ... 5 μs
Sampling rate	up to 400 MHz
Display	10.4" color TFT XGA 1024x768, capacitive Touchscreen
V/2	10 ... 149.9 m/μs
Modes	Symmetrical/unsymmetrical reflection measurement Difference measurement/ comparison All ARM Arc Reflection methods, ARM Slide, Pro Range, All ICE impulse current decoupling methods DECAY Travelling wave method IFL Intermittent Fault Location Arc reflection burning
Memory	4 GB
Interface	Ethernet, USB, BNC, CAN (LON optional)
Impedance matching	8 Ω ... 500 Ω, adjustable
Operating temperature	-10 °C ... + 50 °C
Supply	NiMh-Battery, 110 - 230 V; 50/60 Hz, 12 V DC
Dimensions (W x H x D)	362 x 195 x 306 mm
Weight	6 kg

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

Surge unit 2/4/8 kV

Testing	0 ... 8 kV
Surge	0 ... 2 kV; 1000 J 0 ... 4 kV; 1000 J 0 ... 8 kV; 1000 J
Surge rate	2 ... 6 s Single pulse
Burning	up to 1.4 A

Technical data of system

Connecting cable	6 m (standard)
Mains supply	230 V; 50/60 Hz, 2.3 kVA (110 V optional)
Dimensions (W x H x D)	530 x 1390 x 660 mm
Weight	approx. 90 kg

ORDERING INFORMATION

Product	Order Code
SFX unit 2/4/8 kV	820008619
ARM® unit 8 kV	
Teleflex	
Mounting frame on wheels	
Operating manual	
Set of connecting cables	
Optional accessories	
DigiPHONE+	118303976
DigiPHONE+ NT Combi system	128310579
Vehicle installation version without battery, inverter and trolley	