

# SFX 15 and 25

Mobile, battery operated cable fault locating system

## 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.

Weight	approx. 110 kg
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### SFX 15-1150

Test and surge voltage	0 ... 7.5 kV; 1150 J 0 ... 15 kV; 1150 J
Weight	approx. 110 kg

### SFX 25-1150

Test and surge voltage	0 ... 12.5 kV; 1150 J 0 ... 25 kV; 1150 J
Weight	approx. 110 kg

### Technical data of system

Surge rate	3 ... 9 s
Battery operation	approx. 1.5 h (1150 J)
Mains supply	230 V; 50/60 Hz (110 V optional)
Dimensions (W x H x D)	600 x 1250 x 600 mm
Connecting cable	6 m (standard)

## ORDERING INFORMATION

Product	Order Code
Surgeflex 15-1150 port. Fault location system Surgeflex unit SPG 15-1150, 7.5/15 kV, 1150 J Teleflex SX, Set of cables, Charger	820014810
Surgeflex 25-1150 port. Fault location system Surgeflex unit SPG 25-1150, 12.5/25 kV, 1150 J Teleflex SX, Set of cables, Charger	820019382
<b>Optional accessories</b>	
DigiPHONE+	118303976
DigiPHONE+ NT Combi system	128310579
Vehicle installation version without battery, inverter and trolley	



## SFX 15 and 25

- Testing in low and medium voltage networks
- Easy to use
- Extremely rugged design
- Stand-alone operating

## Description

The mobile and battery powered fault locating system is designed for stand-alone operation. It will provide its full surge energy for up to 1.5 hours continuously. With 15 kV or 25 kV output voltage these systems are well suited for fault locating in low and medium voltage distribution networks.

The powerful ARM (Arc Reflection Method) is used for prelocation of high resistance faults. Low resistance faults can be located with only the Teleflex SX and without having to use high voltage methods.

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.

1150 Joules of surge energy provide the necessary power for accurately pin-pointing cable faults with the acoustic method.

Weatherproof housing and big wheels make the SFX 15 and 25 suitable for easy operation in the field.

Connecting cables are conveniently accessible at the rear of the unit.

## SFX 15 and 25...

also available with T3060 TDR option and optional for vehicle installation. Contact our sales office for more details