



TSE 7523
Cable Tracing System

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The cable tracing system, in conjunction with the Route Sensor, combines the new location techniques SuperMax, Signal Select (identification of the direction of the signal flow) and the conventional audio frequency methods into one instrument. With the aid of an audio frequency generator, the following techniques are available:

- Normal-Minimum, Normal-Maximum
- Super-Maximum
- Signal Select (only in conjunction with Audio Frequency Generator)
- Twisted-Field-Method
- Depth measurement (digital + 45° method)
- Cable selection
- Location of sheath faults
- Ground survey



The Route Sensor allows both the cable depth and the signal current to be measured simultaneously. The handle of the Route Sensor can be turned 90° which is very useful in implementing the available techniques and meets all ergonomic requirements.

FURTHER FEATURES

- Data recording with direct graphic display on receiver
- Wide dynamic range of 120 dB ensures high sensitivity and avoids overload at strong signal current.
- Direct measurement of cable depth and signal current strength
- Cable locating with left-right guidance
- RS-232 interface: Transfer of recorded data to PC for evaluation and processing in GIS-systems

MAJOR BENEFITS OF USING SIGNAL SELECT

- Independent of cable length as phase shifts in long cables do not have any effect
- To be used on any transmitter frequency
- Multiple measurement ensures high reliability
- No synchronization of transmitter and receiver signals needed
- Patent method, easy to operate, efficient and reliable

TECHNICAL SPECIFICATIONS

Receiver frequencies:	
passive:	50 Hz / 60 Hz / 100 Hz / 120 Hz
active:	491 Hz / 982 Hz / 8440 Hz
Depth measurement:	0.1 m ... 7 m; (active frequencies only)
Current measurement:	1 mA ... 400 A / 180 A / 20 A
Power supply;	Alkaline batteries 4 x LR6 >20 h
Operating time:	NiCd / NiMH 4 x R6 >13 h
Dimensions (W x H x D):	220 mm x 100 mm x 110 mm
	550 mm x 100 mm x 40 mm
Weight:	approx. 1.5 kg
	approx. 0.9 kg



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