



FM 9800 XT

**Intelligent
Line Locator**



**Location System
for Buried Cables
and Pipes**

sebaKMT



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Intelligent Line Locator

Application:

The FM 9800 XT series serves for an easy location of the exact track and depth of cables and metallic pipes. With two passive and up to three active frequencies, the FM 9800 XT is an universal line locator. The waterproof 3 watt transmitter automatically selects the optimum search frequency. The simultaneous output of all active frequencies lets you verify your measured result immediately. A built-in ohmmeter automatically measures the line resistance.

Features:

- Patented "distance sensitive left/right guidance"
- Automatic "real-time gain" adjustment and manual gain control
- Current measurement for distinction between parallel lines and for location of tees.
- Digital push button depth measurement
- Passive 50/60 Hz and radio frequency location.
- Automatic "best" frequency selection.
- Built-in ohmmeter provides information on line resistance and quality of ground connection.
- Continuous automatic impedance matching of the transmitter.
- Intelligent transmitter and receiver with acoustic and optical indications.

Standard equipment:

- | | |
|-----------------|-----------------------|
| ① transmitter | ⑤ ground plate |
| ② receiver | ⑥ warning flag |
| ③ test lead set | ● carrying case |
| ④ ground rod | ● backlit LCD display |
| | operation manual |

Optional features:

- rechargeable transmitter batteries (incl. wall mount charger)
- ⑦ Sheath fault locating capability (incl. additional A-frame receiver)

Accessories:

- ⑧ Transmitting tongs MetroClamp 4290 (50 mm)
- MetroClamp 4490 (100 mm)
- MetroClamp 4890 (200 mm)
- Sonde
- Vehicle mount charger (12 V) LG 12-123
- Cable identification coil KAS 10 K

Technical data:

Receiver:

Model	Frequencies	
	active	passive
9860-E	9.82/82 kHz	50/60 Hz, 14–22 kHz
9890-E	0.982/9.82/82 kHz	50/60 Hz, 14–22 kHz
Maximum depth	6 m	
Depth measurement accuracy	±5 % +5 cm	
Power supply	6 AA cells (NEDA 5 A)	
Operation time	> 30 h (without backlighting)	
Battery status indication	continuous	
Temperature range	–20 °C to +50 °C	
Dimensions (H x W x D)	686 x 229 x 178 mm	
Weight	2.35 kg (incl. batteries)	

Transmitter:

Model	Frequency	Output
9860-S	9.82/82 kHz	max 3 W*
9890-S	0.982/9.82/82 kHz	max 3 W*
*optional: sheath fault location capability		
Power supply:	10 mono cells 1.5 V IEC R20	
optional	Rechargeable NiCd cells	
Operation time	mono cells > 70 h NiCd cells ~ 20 h	
Temperature range	–20 °C to +50 °C	
Battery check	at power up	
Dimensions (H x W x D)	133 x 362 x 235 mm	
Weight	4 kg (incl. batteries)	



DIN ISO 9001

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Product Range : Instruments and Test Vans for Fault Location in Power and Telecommunication Networks and for Leak Detection in Water and Sewage Networks • Cable and Pipe Locators • Seminars

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Technical data subject to change without prior notice.

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