



OWST locator

ACE-DS-613513-v02-e

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OWST is the Outside Wall Storage Tracer and concerns the solution of BV Twentsche Kabelfabriek to significantly simplify the connection of high-rise buildings to the fibre optic network compared to conventional construction.

The OWST locator is applied to detect the tracer placed in the wall. The detection method is based on a magnetic field.

Please refer to <https://www.tkf-telecom.eu/613506.html> for further explanation about the tracer.

TKF Article number OWST locator: 613513



Functionality

The OWST locator is a handheld that uses a patented method to measure the position and depth of a magnet using four magnetic field probes. Each magnetic field probe records the field strength of the magnet in three dimensions. The direction to the position of the magnet is indicated by the flashing of one of the 8 indicator lights. If the locator is centrally located on the magnet, all signal lights will light up. The depth of the magnet is indicated by a flashing indicator LED.

Optionally, the OWST locator can be operated with an external measuring head (e.g. if the magnet location is difficult to access for the handheld).

Restriction

The magnet locator was developed to detect magnets in walls and not any other objects such as electric cables, water or gas pipes. Iron-containing objects in the wall can interfere with the measurement. Accordingly, the greatest care and attention must always be exercised while working.

Measuring range

The minimum field strength needed for the correct functioning of the OWST locator is 650 μ T. This corresponds to a distance from the standard magnet of approximately 80 mm measured at the bottom of the handheld.

The distance to the magnet is recognized until approx. 70mm. The accuracy is +/- 5mm.

Power supply

The handheld is powered by 4x AA penlite, R6, LR6, batteries Alkaline-manganese 1.5 V. Alternatively, four nickel metal hydride rechargeable batteries 1.2 V, HR6 or nickel-cadmium rechargeable batteries 1.2 V, KR6, KR157 / 51 can be used. The batteries must be charged externally. The rechargeable batteries and charger are not included in this article number.

Handheld battery life is approximately 70 hours based on standard 2960 mAh alkaline manganese batteries.



Housing

Height x width x depth	[mm]	220 x 100 x 32
Marker hole	[mm]	Ø 9.5
Material		ABS plastic
Weight (incl. batteries)	[kg]	0,38
Protection class		IP54

Environmental conditions

Operational			
- Temperature range	[°C]	-10 / +40	
- Humidity	[%]	<85 RH, non-condensing	
Storage			
- Temperature range	[°C]	-40 / +60	
- Humidity	[%]	<85 RH, non-condensing	

Environment

WEEE registration number	NL 060084145 (OPEN)
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Logistics

An OWST locator is delivered in a plastic suitcase. Batteries are included.