New development!

FS - Thermoscan

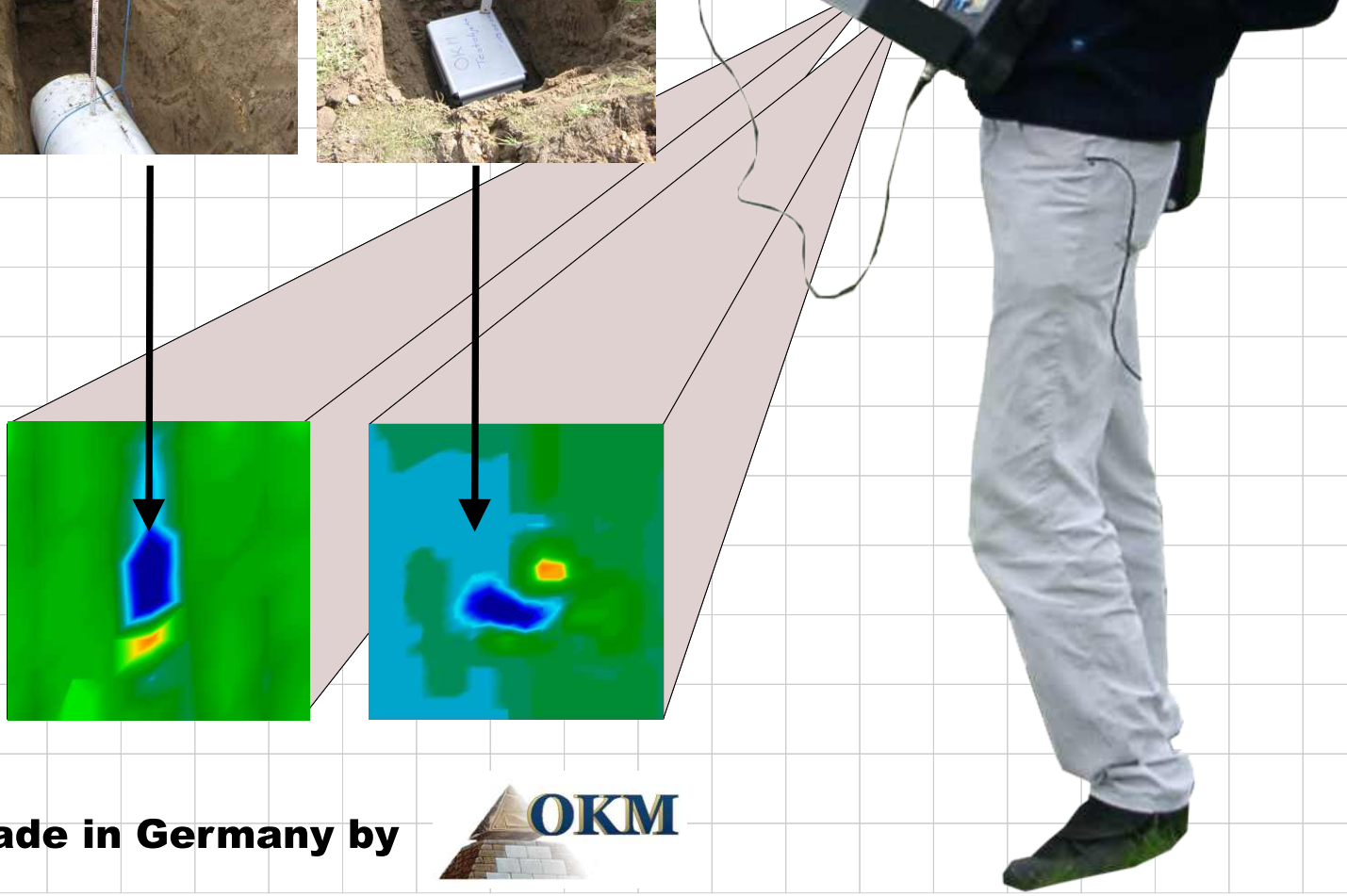
Cavity detection by thermographic measurements

The Thermoscan stands up for its easy usage and compact design. Create high resolution 3d graphics of the underground by measuring the differences in temperature on the surface of the ground.

Advantages:

- If connected to the eXp 4000 clear high quality thermographic scans of the inspected terrain
- Representation of cavities like graves, tombs, tunnels, caves, chests, bunkers etc.
- Integrated laserpointer for selective pinpointing
- measurement of differences in temperature in areas with difficult access like e.g. forest or hillside situation

The Thermoscan can be used as a stand-alone unit or in combination with the eXp 4000.



Made in Germany by OKM

Characteristics	FS-Thermoscan as stand alone device	FS-Thermoscan connected to eXp 4000
Analog Display	✓	✓
Warm-Cold Display	✓	✓
Display of differences in temperature	✓	✓
Power Supply	External Power Supply	External Power Supply or Power Supply via eXp 4000
Detection of cavities	✓	✓
Determinating the size of cavity	-	✓
3D infrared image	-	✓
Analysis of infrared image in Visualizer 3D Software	-	✓

Technical Specification

Control Unit:

Dimensions (L x W x H)	35 x 12 x 22 cm
Weight	approx. 0,9 kg
Operating Temperature	0 °C – 50°C
Storage Temperature	-20 °C – 60 °C
Air Humidity	5% – 75%
Waterproof	No

Laser Pointer:

Laser Class	2 (according to EN 60 825-1)
Range	up to 50 m
Wavelength	630 – 680 nm
Maximum Output	1 mW

Measurement Readings:

Optimal Surface Temperature	10 °C – 25 °C
Distance/Spot Size Ratio	8 : 1
Field Of View (Flare Angle)	7 °
Resolution	0,01 °C
Temperature Difference (min. amplification)	9 °C
Temperature Difference (max. amplification)	1 °C