ZERSTÖRUNGSFREIE MESS- UND PRÜFTECHNIK

MIT-SCAN-T3

Precise and nondestructive measurement of asphalt and concrete layer thickness in compliance with TP D-StB 12

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The measuring device MIT-SCAN-T3 was developed for nondestructive and accurate thickness measurements of asphalt and concrete pavements. Assessments of unbound base courses (frost blanket layer and gravel base layer) are also possible.

AREAS OF APPLICATION

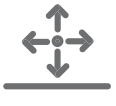
✓ Quality assurance self-monitoring
✓ Contracting compliance audits
✓ Site acceptance testing
✓ Road wear testing
✓ Warranty audits
✓ Road maintainability audits
✓ Road rehabilitation audits

ADVANTAGES

Precise
- very high measurement precision: ± (0.5% of measured value + 1 mm)
- high resolution (650 data points per measurement)
- exact and reproducible measurement results

Rapid and efficient
- no onsite calibration necessary
- fast reflector location (search mode)
- no complex search of reflector center
- **automatic plate detection (reflector)** NEW
- measurement incl. analysis in one minute (measuring mode)

Nondestructive
- simple measurement run over the pavement
- no requirement for pavement core drilling



Flexible
- robust and compact hand-held instrument
- safe transport in high-quality carrying case (car suitable)
- thickness measurement on hot asphalt, milled surfaces and concrete
- measurement even on moist and wet layers
- reflectors equivalent to German STLK

Cost-effective
- durable device with a long service life
- suited for construction environments
- self-inspection during construction for quality assurance
- effective control of paving deviations
- inspections of large stretches within short time

Long-lasting
- no damage to pavement
- mindful of nature and the environment
- emission free

MIT-SCAN-T3

Robust and compact hand-held device for precise and rapid onsite inspections of road pavements

ergonomical and lightweight,
GPS module, powerful battery

intuitive and user-friendly operation

automatic plate detection,
user-friendly menu, backlit display

variably adjustable telescopic handle

robust sensor unit for use
also on hot asphalt, milled
surfaces and in wet weather

PRECISION

MADE IN GERMANY

ACCESSORIES

The following accessories are available for the layer thickness measuring device MIT-SCAN-T3

Wheeled spacer
for functionality testing
according to TP D-StB 12

USB flash drive
for data transfer to PC

Headphones
acoustic signal output

Reflectors
compact and robust
reflectors for use in
asphalt and concrete

Second battery
battery pack for replacement
on construction site

Carrying case
high-quality and sturdy,
automobile suitable

SOFTWARE

MIT's project software is used for further processing of data at your PC.

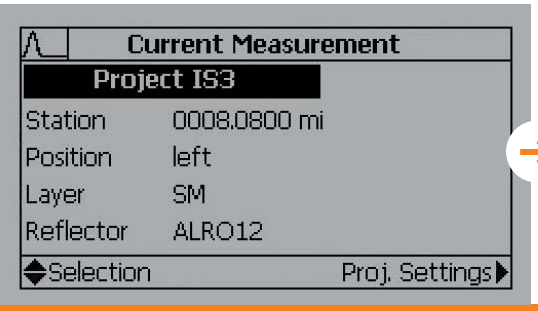
The software has the following functions:

- → Preparation of measurement site plans at your PC (designation of construction site, kilometrage, layer)
- → Automatic processing of measured data from both two-layered and three-layered road constructions
- → Correction of construction project specifications
- → Data transfer via USB storage device
- → Backup and archiving of measurement data on PC
- → Control of measurement points using GPS data
- → Generation of form sheets acc. to TP D-StB 12 for selected data sets

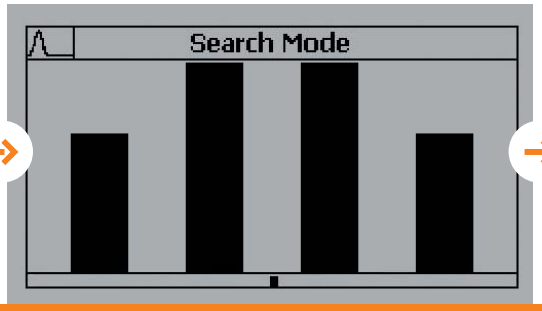
MEASUREMENT PROCEDURE

Precise nondestructive determination of layer thickness in concrete and asphalt

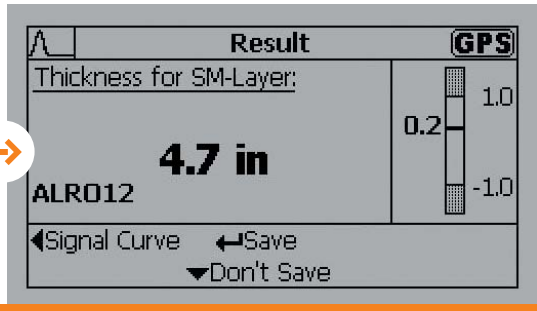
Measurement mode



Search mode



Result display



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MIT-SCAN-T3 SPECIFICATIONS

Measurement range	15 – 500 mm based on reflector type
Measurement accuracy	± (0.5% of measured value + 1 mm)
Resolution	1 mm
Asphalt temperature	up to 110 °C
Operating temperature	-10 °C to +50 °C
Memory capacity	up to 5000 data sets
PC connectivity	PC interface, transfer to MS office or accounting program
Power supply	NiMH battery 12V/2Ah
Battery life	8 hours or approx. 1,000 measurements
Recharge time	1.5 hours
Dimensions	Device: 40 cm x 26 cm / height variably adjustable up to 145 cm Carrying case: 85 cm x 50 cm x 34 cm
Weight	Net weight: 4 kg (device) Gross weight: 18 kg (device, carrying case and accessories)

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