

TSC PACE

Portable, Reliable Crack Detection with ACFM



BE ONE STEP AHEAD WITH TSC PACE.

In the quest to make Alternating Current Field Measurement (ACFM) a universal and easy-to-use surface inspection method, we can now introduce the next step in the evolution of portable ACFM technology - TSC PACE; designed to meet the needs and performance of the solo operator across the oil & gas, power generation, rope access structural inspection industries.

Enhanced Software

Enhanced software enables the creation and delivery of inspection reports detailing defect sizes, locations and scans. Full records of all scan data are stored for audit tracking and ACFM® desktop software supports further investigations of the scan and inspection data, enabling bespoke and client specific report generation.

The on-board camera enriches reports, providing operators with the option to use detailed imagery from the inspection site.

TSC PACE ACFM Reporting

Creating professional site reports is fast and simple with the TSC PACE™ instrument. Within a single function any data page can quickly be transformed into a report with full location information, relevant data traces, defect sizes, noted observations together with any photographs taken at selected locations. Reports also contain all probe and instrument details, together with inspector information and sign off boxes. Reports can be stored in both .pdf and .docx formats on the TSC PACE internal drive or downloaded on to a USB stick.

SENSU™ Probes

TSC's functional design philosophy is embodied in the new and innovative probe range that partners TSC PACE - SENSU. These pencil style ACFM probes have been designed to perform easy continuous scanning, whilst being able to gain access to challenging tight angle inspection areas. As "intelligent" probes the SENSU range stores configuration information internally and provides live feedback of scanning status whilst in use.

The SENSU probes can be configured with a straight, right angle or transverse right angle ceramic nose, at a standard frequency of 5 kHz. High frequency options are also available at 50 kHz.

SENSU™ Features

- Ergonomic Design for hand held scanning.
- Robust wear-resistant ceramic nose.
- Selection of nose configurations available.
- Hot swappable.



PORTABLE ACFM INSPECTION TECHNOLOGY

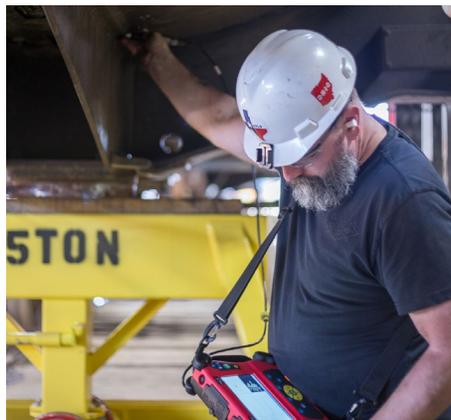
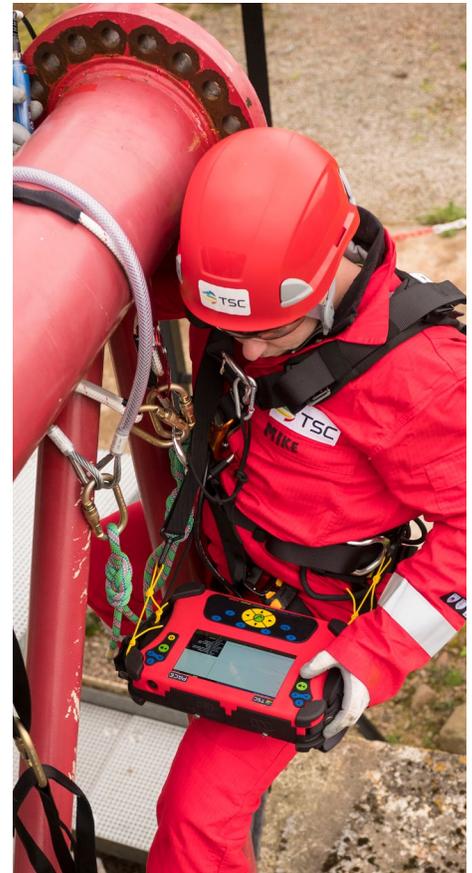
Developed through operator focus and field testing, TSC PACE embodies robust, user-centric, ergonomic features; with a toughened sunlight readable display, long battery life and supported by a new generation of software. Ensuring high levels of data integrity and assurance, TSC PACE will be setting new standards for the non-destructive testing for surface breaking crack detection.

TSC PACE Features

- Reliable, repeatable crack detection using ACFM.
- Accurate defect sizing, length and depth.
- Through coating inspection.
- No cleaning required.
- No in-situ calibration needed.
- Long life battery (8+ hrs).
- Large, toughened high brightness LCD screen.
- Desktop & in-car charger.
- Built-in Camera.
- Interface design enables single-handed operation during inspection (left or right).

Key Applications

- Single Person Operation.
- Rope Access Inspections.
- Weld Inspection.
- Painted & Coated Structures.
- Cranes & Towers.
- Refinery Piping & Vessels.
- Bridges & Infrastructures.
- Rail Wagon Integrity.
- Mining Gear Teeth.
- Topside Offshore/Onshore Structures.



SPECIFICATIONS

GENERAL

| | |
|--------------------------|---|
| Dimensions (W x H x D) | 295 x 198 x 75 mm (11.6 x 7.8 x 3.0 in) |
| Weight | 2.5 kg (5.5 lb) |
| Screen | Built-in TFT display, 17.7cm (7 inches) Optically bonded, chemically strengthened glass |
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Battery Information | 3.5 hrs recharge time (from empty), 14.4V, 98 Wh Desktop charger and in-car charger |
| Battery Life | 8+ hours |
| Environmental Protection | IP65 |
| Outputs | External Display, VGA |
| Data Storage | 32GB Internal, external USB storage device |
| Probe Cable Length | 1.5 metres (4.9 feet) standard. 5, 10 and 15 metre options available) |
| Languages | English |
| Attachment points | 4 rugged corner harness points |
| On-Board Camera | 5 Megapixels |
| Transport Case | Rugged, wheeled PELI™ case: 558 x 355 x 228 mm (22.0 x 14.0 x 9.0 in) |
| SENSU™ Probes | Straight, Right-Angled and Transverse nose configurations. 5 kHz and 50 kHz. Hot swappable. (see below) |

TSC PACE™ INSTRUMENT PACKAGE

TSC PACE ACFM Instrument

SENSU Checker

Battery Charger, desktop battery dock and power cable

12/24V vehicle charger lead

Type 181 ferrous ACFM function check block (ASTM)

Wireless Keyboard & Touchpad

Desktop Software on USB Stick

Shoulder Strap

Desktop Field Stand

Transit Case

AVAILABLE PROBES

SENSU 5 kHz pencil probe - Straight

SENSU 5 kHz pencil probe - Right Angle

SENSU 5 kHz pencil probe - Transverse

SENSU 50 kHz pencil probe - Straight

SENSU 50 kHz pencil probe - Right Angle

SENSU 50 kHz pencil probe - Transverse

Customised probes are available on request

ANNUAL MAINTENANCE PACKAGE INCLUDES

Annual calibration of instrument and probes

Software licences and updates

Technical support

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