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Wireless TOFD MAN ™

system CEN/TS 14751 EN 583-6 compliant www.okondt.com

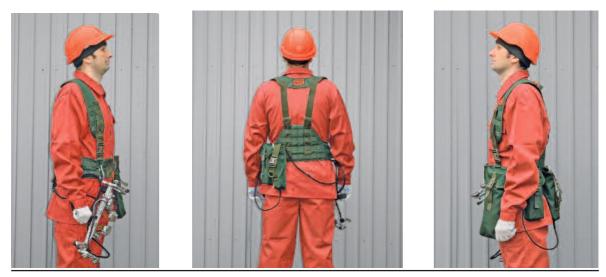
TOFD MAN TM System

TOFD MAN [™] is the latest solution for easy testing of the long welded joints of pipelines, oil and gas tanks, vessels, cisterns, ship hulls, bridges, etc. using TOFD technique.



- The System is wireless (WiFi channel)
- The best signal to noise ratio
- Easy testing at rope access
 - Laptop or tablet PC online data analysis
 - Touchscreen friendly software
- Easy probes setup & replacement

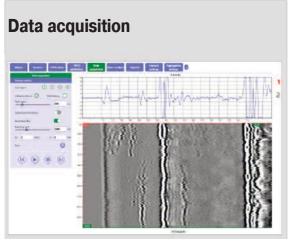
The TOFD (time-of-flight diffraction) is a primary method for fast and reliable testing of long welds. **To find out more:** www.okondt.com/tofd-method

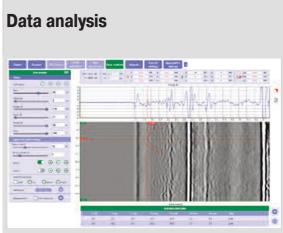


Use any Windows PC or Tablet as acquisition unit

You can: setup, calibrate, acquire and analyse data using any Windows laptop or Tablet. The required TOFD MAN [™] software can be provided or preinstalled on your PC.







TOFD MAN TM System overview

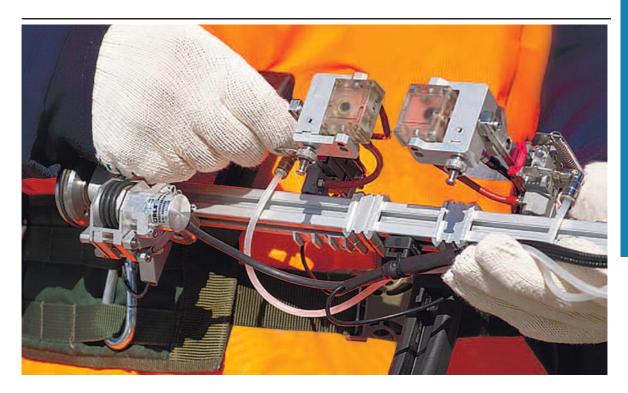
The system is designed for testing long welded joints of pipes, tanks, vessels, cisterns, ship hulls, bridges, etc. using TOFD technique.





Circumferential welds with a diameter from 12 in (300 mm) can be inspected on cylindrical objects. On cylindrical, spherical, as well as complexshaped objects with a radius of surface curvature from 16 ft (5 m) to flatness, the system is capable of testing long welds in any direction. Objects with wall thickness from .25 to 12 in (from 6 to 300 mm) can be examined with the help of appropriate probes. Depending on the inspection task, TOFD MAN[™] system can be completed with another scanner. For best result we advised to use coupling, an external liquid coupling supply system recommended. In this case, a water hose will come to the scanner. Configuration of the system is maximally optimized for placement on the operator's jacket, which does not impede the movement, also when performing an inspection at height (climbing, rope access). Standard delivery set of the system features an 8- hour battery to be put in the jacket. The scanner is lightweighted and easy to guide. It ensures handy probes setup. In the course of testing, all obtained data are transfered to a remote PC (laptop or tablet) via Wi-Fi. The system for protection of the data integrity transferred to the PC is provided- the data is securely stored in the TOFD module as well.

If necessary you can use a cable connection instead of Wi-Fi.





TOFD UNIT SPECIFICATION

Ultrasonic transducers connector	2 (BNC)
A/D converter	10 bit (100 MHz)
Initial pulse amplitude	20 — 300 V
• Gain	110 dB
Bandwidth	0.2 - 27 MHz
• Encoder	up to 2 axis encoder
• PRF	15 - 2000 Hz
Realtime averaging	1, 2, 4, 8, 16, 32
• Operating temperature range	from +20 °C to - 50 °C
Protection level	IP65

Couplant-Feed Unit (optionally)

The motorized-pump unit offers an affordable and efficient way to supply couplant (water) to working surfaces of the wedges during automated inspection.





TO WATCH THE VIDEO, PLEASE VISIT OUR WEBPAGE www.okondt.com/tofd-man







e-mail: global-sales@oko-ndt.com www.oko-ndt.com YouTube OKO Group