

Cased hole

EMDS-TM-42E Small electromagnetic defectoscope



is designed for defect detection and separate casing wall thickness measuring

FEATURES AND ADVANTAGES

- detection of defects (cracks, pipe break-off, corrosion intervals and mechanical wear zones, explosion perforation zones and filters, collar corrosion);
- two inner pipes separate wall thickness measurement (after computer processing), without retrieving the internal pipe;
- wellbore construction investigation: collars location within the internal pipes, depth referencing of all pipes, pads/packers/valves depth location, etc.

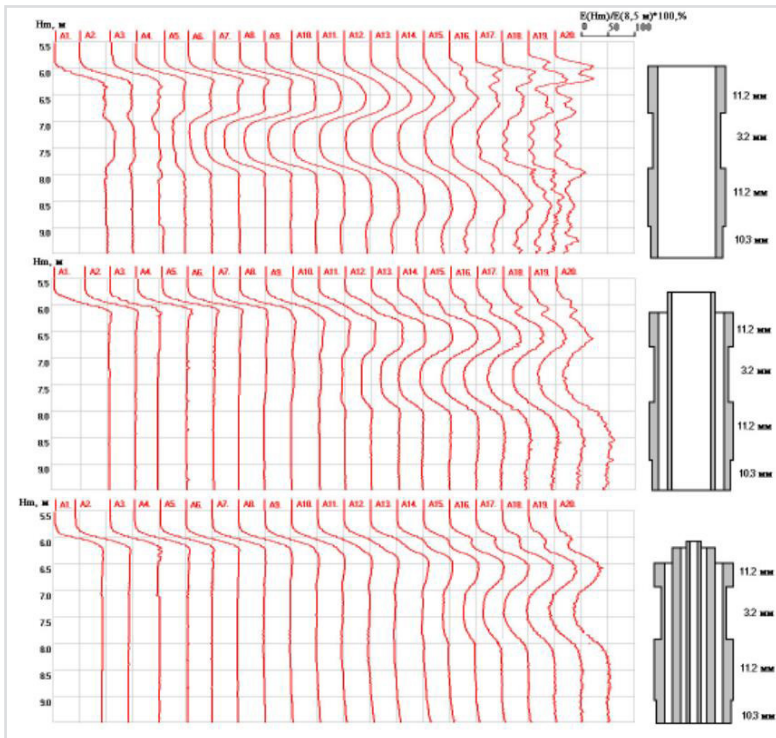
Wellbore diagram with all the defects, collars, pads (both two pipes); signal isoline diagram (prolonged measurement time) is represented by the means of processing software.

SPECIFICATIONS

Pipe outer diameter, mm	62-340
Max. two pipes wall thickness	25
Wall thickness measurements error, mm:	
- a single-pipe configuration	5
- a multistring configuration	10
Minimum longitudinal crack length, mm:	
- first inner pipe	1/9 of circumference
- second pipe	1/4 of circumference
cross-axis	1/6 of circumference
Temperature absolute error, °C	1
Response threshold, °C	0,01
GR intensity range, µR/h	3-100
Internal diameter error, mm	1
Max. hydrostatic pressure, MPa	80, 100*
Max. operating temperature, °C	120, 150, 175*
Cable	one-core cable
Tool dimensions, mm	
- diameter	42
- length (without centralizers)	2100

*- depends on tool modification

The results of EMDS-TM-42E3 tool measurement in models



Intensive corrosion in inner (third) column with the diameter 340 mm

