

# Multi-Barrier Corrosion Tool

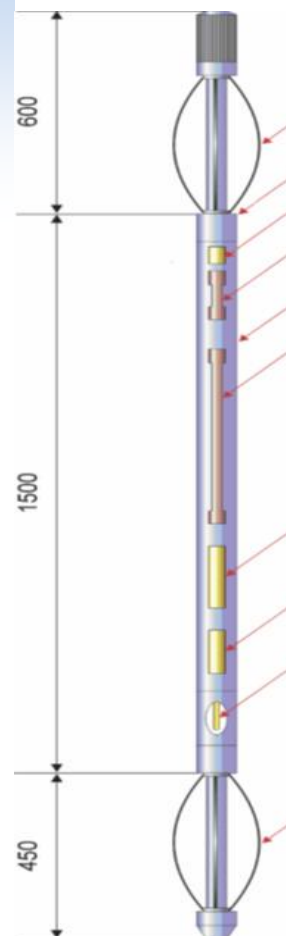
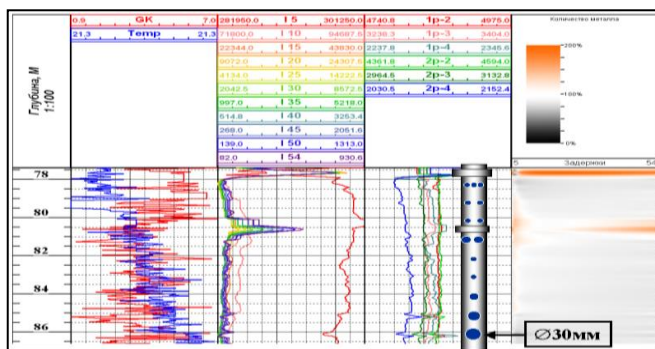
## MBC

### Description

Magnetic pulse scanning and wall-thickness testing methodology is based on the spatial distribution of damped eddy current in up to 3 casing strings. The eddy current generates an internal voltage in the coil after a magnetization current is created. When certain time interval of transient curves (C) is chosen, it allows for string integrity testing.

### Features

- The MID has two sondes (longitudinal & transversal) based on fast-response coils which generate electromagnetic pulses
- The decay speed of each pulse is governed by the tubing and casing properties. A faster decay occurs in the case of metal loss due to corrosion
- The coils have a depth of investigation of up to 15 inches and captures a combined response from the tubing & casing
- Further mathematical post-processing allows the identification of an independent casing response



### Specification

Outer Diameter	1.65 in
Maximum Temp.	300 F
Maximum Pressure	20,000 Psi
Weight	26 lb.
Length	11.3 ft.
Max wall thickness of single barrier	0.7 in
Max total wall thickness (2 barriers)	0.98 in
Max total wall thickness (3 barriers)	1.2 in
Depth of investigation	15 in
Logging speed	30 ft/min max

