

Ultra-Slim Transmitter

The Geolink Ultra-Slim negative pulse Transmitter generates a sequence of small pressure losses in the circulating System in order to transmit data recorded downhole to surface.

Description

The Transmitter contains a small normally closed valve which is actuated by a solenoid and opens a flow path between the drill string I.D. and the annulus. A valve open time of 0.5 seconds typically generates a pressure drop of 30 to 50 psi at surface. An integral pressure switch detects whether the mud pumps are on or off in order to control the tool functions.

Features

- Reliable - developed for use in the most demanding environments.
- Consistent signal - suitable for work in deep wells.
- Simple design makes the Transmitter easy to operate.
- Minimum wear parts - easy and cost effective to maintain.
- Proprietary thread design - high strength with enlarged I.D.
- Capable of Short Radius work - excellent for horizontal side-tracks.

Specification

Transmitter Sub O.D.	3.5in (88.9mm)
Transmitter Sub Length	30in (76.2mm)
Max Flow Rates	150 USGPM (9.5 l/sec)
Differential Pressure	Recommended min. 350 psi below tool (2.413 Mpa)
Temperature	Maximum 150°C (302°F)
Hydrostatic Pressure	Maximum 20,000 psi (137.9 MPa)
Shock	1000g/0.5 millisecond
Vibration	20g RMS 30-300 Hz Random, 30g 50-300 Hz Sine
Mud Sand Content	Less than 0.5% recommended
Lost Circulation Material	Up to 30 lb/bbl Medium Nut Plug - added evenly mixed



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