



Technical specifications

HPHT Transducer version 1.0

High Pressure High Temperature Transducer



Mechanical dimensions

Front diameter	19,8 mm
Overall length	84 mm
Stem	OD=12 mm M12x1 Thread length = 6mm
Weight	70 grams

Mechanical Properties

Front Housing	Titanium grade 2
Back Housing	AISI 316
Maximum outside pressure	700 Bar (10.000 psi)
Temperature range	15°C to 150°C
Pressure Compensated	No
Internal oil	Dow Corning 200, 50 cst Silicone fluid Oil volume < 0,25 ml

Piezo Element

Brand	Piezo Technologies, LLC
Ceramics	K-81
Element Diameter	10 mm
Element Thickness	0,3 mm

Acoustics (with 2 mm element)

Focus distance	Not Focused
Frequency	5 MHz

Electric Connection

Connector Type	Bulkhead Receptacle 22SMC 50-0-2
Maximum excitation voltage	230 V impulse

*Application:
Down Hole Ultrasonic transit time
Measurements.*