

Signature Quartz Gauge Carrier

Reliable platform for Signature quartz gauges

APPLICATIONS

- Downhole reservoir testing
- Deviated and deepwater wells
- HPHT and hostile wells
- Exploration or appraisal testing
- Above-packer pressure measurements
- Below-packer pressure measurements
- Shoot-and-pull operations

ADVANTAGES

- Solid mandrel construction for strength
- Reduced sealing interfaces for reliability
- Qualified sealing system to 437 degF

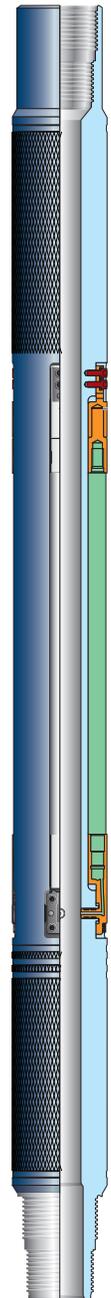
Signature* quartz gauge carriers provide a reliable and robust platform for reservoir testing gauges during all applications and for all positions on the tubing string.

The solid mandrel-type construction of the carrier reduces possible leak paths and ensures exceptional tensile and compressive strength. Signature gauge carriers have a 2.25-in fullbore design and are internally and externally concentric to simplify handling and reduce risks.

Signature gauge carriers use a double O-ring with a backup ring design for standard operations and a range of elastomer options for hostile operations. These seals have been fully qualified to 437 degF and for many hostile well and completion fluids.

Specifications for the standard-size carrier are listed herein. Other versions are available on request for slimhole and large-bore operations and for those with other thread connections.

For any type of tubing-conveyed operation, from exploration testing to cleanup and shoot-and-pull operations, Signature gauge carriers provide a simple and reliable solution for conveyance of pressure gauges.



Signature quartz gauge carrier.

Signature Quartz Gauge Carrier

Specifications

Model	TDRC-FA	TDRC-DA
Max. OD, in [mm]	5 [128]	5 [128]
Tool ID, in [mm]	2.25 [57]	2.25 [57]
Pressure ratings		
Differential, psi [MPa]	15,000 [103]	20,000 [138]
Max. annular, psi [MPa]	20,000 [138]	30,000 [207]
Max. tubing, psi [MPa]	20,000 [138]	30,000 [207]
Temperature rating, degF [degC]	350 [177]	410 [210]
Length, ft [m]	8.2 [2.5]	6.7 [2.0]
Weight, lbm [kg]	401 [182]	315 [143]
Material	4140	Inconel 718
Configuration	Fullbore, concentric	Fullbore, concentric
Gauge capacity	Up to 4 Signature quartz gauges	Up to 4 Signature quartz gauges
Gauge models carried	THQR, TQPR, TUPR	THQR, TQPR, TUPR
Service (NACE MR0175/ISO 15156)	H ₂ S, acid	H ₂ S, acid
Connection	3½ PH-6	3½ PH-6

Run the Signature quartz gauge carrier as part of the Quartet-HT* high-performance downhole reservoir testing system. The Quartet-HT system delivers the highest-quality pressure measurements and representative fluid samples with maximum safety and efficiency, for altogether better reservoir testing.

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