

ACTive PTC

CT real-time pressure, temperature, and casing collar locator tool

APPLICATIONS

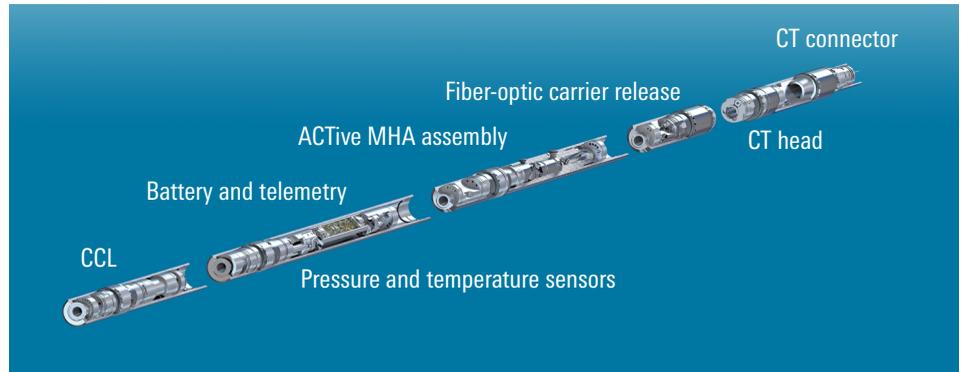
- Stimulation and diversion effectiveness
- Conformance
- Wellbore manipulation
- Perforating
- Leak detection
- Casing patch setting
- Well kickoff
- Sand cleanouts
- Packer setting

BENEFITS

- Provides continuous treatment monitoring
- Improves decision-making with real-time downhole pressure and temperature
- Enables accurate bottomhole pressure management
- Responds quickly to changes in temperature
- Achieves accurate depth correlation
- Reduces costs by enabling monitoring, optimization, and intervention all in one run

FEATURES

- Ability to convert electrical to optical
- Ability to combine real-time digital telemetry-based diagnostics with other measurements such as DTS
- Real-time depth correlation with completion via casing collar locator (CCL)
- Real-time internal and external CT pipe pressure and temperature
- Fast-rate telemetry
- Plug-and-play compatibility with the majority of CT downhole tools such as gamma ray, tension and compression, Jet Blaster* engineered high-pressure jetting service, and CoilFLATE* coiled tubing through-tubing inflatable packer
- Innovative proprietary system to enable job-optimization decisions in real time on a single trip



Featuring the ACTive MHA* optical motorhead assembly and ACTive iFC* fiber-optic carrier, the ACTive PTC tool provides pressure, temperature, and casing collar locator tool measurements in real time.

The ACTive PTC* CT real-time pressure, temperature, and casing collar locator tool provides real-time downhole measurements to improve job efficiency and subsequent well performance.

Using the ACTive PTC tool's real-time measurements, operators can eliminate the most common uncertainties found on conventional CT jobs by

- accurately determining the depth of the tool end
- determining the fluid level in the well or whether the pressure applied from surface is reaching downhole
- identifying if the wellbore is being loaded with sand and debris
- monitoring the differential pressures across tools
- verifying that the reservoir is responding to the treatment and that the perforating tools are effectively operating
- ensuring that a packer is properly set and effectively seals the isolated zone
- and many other applications.



The ACTive PTC tool is compatible with most other downhole CT tools, including an optional tension-compression tool and gamma ray logging tool.

Specifications

Pressure, psi [kPa]	12,500 [86,184]
Temperature, degF [degC]	300 [149]
Outside diameter, in [cm]	2.125 [5.40]
Makeup length, ft [m]	7.2 [2.19]

Pressure (Microelectromechanical system [MEMS] gauge)

Accuracy	
Typical, psi	±3
Maximum, psi	±5
Resolution, psi	0.075

Temperature (MEMS gauge)

Accuracy, degF [degC]	±1 [±0.55]
Resolution, degF [degC]	0.03 [0.55]

Casing collar locator

Resolution at 30 ft	±1 ft
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