

SureSENS SPTV monitoring gauge system

Increase run life and optimize well performance

The **SureSENS™ SPTV electronic permanent gauge system**, from Baker Hughes, delivers critical data on wellbore pressure, temperature, and vibration—all aimed at increasing run life and optimizing production.

The system monitors parameters using a tubing encapsulated conductor (TEC) downhole cable, with the ability to include 24 gauges per TEC cable for redundant readings. The system's flexible configuration enables the selection of a number of parameter measurements, including single-point zonal pressure measurements to multiple-point pressure measurements (multiple zone or intelligent applications).

Contact your Baker Hughes representative today to find out how the SureSENS SPTV monitoring system can help you accurately maintain established well pressures and measure run life and optimizing production rates.

Specifications

Operating temperature	302°F (150°C)
Diameter (per single gauge)	0.750 in. (1.905 cm)
Pressure rating	10,000 psi
Shock	500 G (4,905 m/s ²)
Vibration	10G, 10 Hz to 2 kHz
Max sample rate/second	>1 second
Number of gauges	24
Supported per TEC	Strain
Transducer	10,000 psi
Transducer options (pressure)	10,000 ±0.2%
Pressure accuracy	20.0 psi at full scale
Pressure resolution	0.1 psi
Pressure stability	0.1% full scale
Temperature accuracy	1.0°C
Temperature resolution	0.1°C
Vibration range	0 to 10g (±5g)
Vibration resolution	0.02g
Vibration accuracy	10.0%
Cable distance transmission	50,000 ft (15,240 m)

Applications

- Wellbore monitoring
- Permanent downhole gauge systems
- Artificial lift optimization
- Wells requiring single, multiple-point, or differential pressure measurements

Benefits

- Alter gauge and pressure porting configurations easily without changing carrier because of flexible, compact design
- Operates reliably up to 302°F
- Supports 24 devices on a single TEC