

# 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 fluid temperatures while increasing run life and optimizing production rates.

## Specifications

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