The FloDrift™ real-time drift tool equips customers with an easy and cost-effective means of providing real-time well inclination measurements. The FloDrift tool conducts surveys during the normal operation of making a connection, minimizing nonproductive time (NPT).

**Features**

- Modified float valve as telemetry means
- Accurate decoding
- Accurate inclinations with resolution of 0.1° and a range of up to 20°
- Patented Pressure Release Encoding System (PRES) telemetry
- Runs in float sub with ODs ranging from 4.75 to 9.5 in. (12 to 24 cm)

**Benefits**

- Survey taken during connection, minimizing NPT
- No counting pulses to approximate inclination means the tool can easily be run by the driller
- Fastest decoding in the industry, with inclination displayed in only 45 seconds from pumps on
- Tool automatically compensates for most flow rate changes and works in noisy surface hole sections
- The tool runs in float subs with standard float valve bore backs and API bottomhole assembly connections

**General Specifications**

- Inclination range: 0 to 20°
- Inclination resolution: 0.1°
- Surface readout inclination: ±0.1°
- Operation pressure range: 250 to 15,000 psi
- Power source: Lithium battery
- Battery life: 3 months (average)
- Operation voltage: 7.8 volts (2x C Cells)
- Rechargeable: No
- Signal height: Approximately 100 psi
- Maximum operating temperature: 329°F (165°C)
- Minimum operating temperature: -13°F (-25°C) (*battery)
- Flow range: 200 to 1,200 GPM
- Barrel pressure rating: 15,000 psi
- Maximum tool length (made up): 65 in.
- Full survey transmission time: Under 1 minute
- Pulse telemetry type: Pressure drop/PRES
- Sub sizes: 9.5- and 8-in. OD (6R FloValve)
- 6.5-in. OD (5R FloValve)
- 4.875-in. OD (4R FloValve)

The FloDrift FloValve is a ruggedized float valve that runs in a standard float sub with a standard float valve bore back. The FloDrift tool is the smallest survey tool in the industry, weighing only 30 lb (13.6 kg) and measuring only 65 in. (165-cm) long.