



STANDARD DIRECTIONAL PRESSURE SYSTEM (DPS)

The **SDS DPS SYSTEM** provides flexibility and versatility. It provides some of the most important pieces of information required while drilling. The SDS APWD SYSTEM provides (PWD) pressure while drilling, (APWD) Annular pressure while drilling, (IPWD) Internal pressure while drilling, (DPWD) Differential pressure while drilling as well as (ATMP) Annular temperature. These features allow the driller to get a better feel on how the fluid and wellbore are reacting.

The **SDS DPS SYSTEM** Can be used in various drilling scenarios including underbalanced, extended-reach, high pressure, high temperature and deep vertical wells.



The **SDS DPS** is retrievable compatible with multi MWD Systems. It can read a wide variety of pressure including static pressure while pumps are off. Features include Real time or memory logging. Highly accurate and reliable.



Applications:

- **Detection of kick, sticking, swabs and surges.**
- **Equivalent circulating density (ECD) measurements.**
- **Monitoring hole cleaning.**
- **Reservoir pressure management.**
- **Monitoring pressure drops across mud motor and bit.**
- **Reducing wellbore instability.**
- **Early detection of pipe washouts.**



STANDARD DIRECTIONAL PRESSURE SYSTEM (DPS) FEATURES

| SDS DPS FEATURES AND SPECS | | |
|-----------------------------------|-----------------|------------------------------|
| Nominal Sub OD: | OD | 4.75" 6.50" 8.0" |
| | Connections | 3-1/2IF 4-1/2IF 6-5/8Reg |
| Probe Length | Length | 25" Shoulder to Shoulder |
| Probe Outer Diameter | OD | 1.875 |
| Operating Temperature | Temp | 40°C to 175°C |
| Resolution | PSI | Pounds Per Square Inch |
| Accuracy percentage of full scale | Percent | < 02% |
| Max Hydrostatic pressure | Hydrostatic Max | 20,000psi (137.9 MPa) |
| Operating voltage | Volts | 20 – 38 Voltage |
| Shock | Shock | 1,000G/0.5 ms |
| Vibration | Vibe | 20g RMS 30-500Hz Random |
| Mud Sand Content | | <1% Recommended. |