



# SureShot™

## MWD Pressure While Drilling Sensor

APS's Pressure While Drilling (PWD) sensor measures annular and drill pipe pressures in all collar sizes. Captured data may be transmitted in real time via APS's SureShot MWD/LWD system, or stored in SureShot's downhole memory for later download and analysis. Real-time data or pressure alarms may be transmitted via SureShot.

### Applications include:

#### Managing Hydraulics Programs

Real-time determination of equivalent circulating density (ECD) for hole cleaning, swab and surge pressures for borehole stability, and BHA pressure loss.

#### Maintaining Formation and Borehole Integrity

Real-time annular and bore pressure measurements help assess the optimum pressures required within narrow fracture and pore pressure windows.

#### Managing Downhole Pressures

Measurement and real-time monitoring of hydrostatic and dynamic circulating fluid pressures for balanced, managed pressure drilling (MPD), and underbalanced drilling (UBD).

#### Supporting Drilling Safety Programs

Timely annular, bore, and differential pressure readings enable early detection of fluid influx and lost circulation.

### Product Preliminary Specifications

	Measurement	
	Range	Accuracy
<b>Annular Pressure</b>	0 - 20 kpsi (137.9 MPa)	±0.02% of FSR
<b>Drill Pipe Pressure</b>	0 - 20 kpsi (137.9 MPa)	±0.02% of FSR
<b>Resolution</b>	0.1 psi (690 Pa)	
<b>Local Temperature Compensation</b>	Yes	
<b>Data Sampling Rate</b>	5 seconds total (annular + drill pipe)	
<b>Data Storage</b>	Raw and compensated data are time-stamped and stored in SureShot memory.	
Environmental		
<b>Operating Temperature</b>	-13° to 347°F (-25° to 175°C)	
<b>Maximum Pressure</b>	20 kpsi (137.9 Mpa)	

**APS Technology, Inc.** 7 Laser Lane, Wallingford, CT 06492  
Phone: 860-613-4450 • Fax: 203-284-7428 • Email: [contact@aps-tech.com](mailto:contact@aps-tech.com)

**Houston Office** 15415 International Plaza Drive, Suite #150, Houston, TX 77032  
Phone: 281-847-3700 • Fax: 832-230-2899