

SMART PRESSURE WHILE DRILLING

✓ REAL-TIME TELEMETRY ✓ LOGGING MEMORY ✓ QDT COMPATIBLE

The JAE Pressure While Drilling (PWD) module is a precision measurement tool designed to monitor and deliver downhole pressure conditions in real-time while drilling.

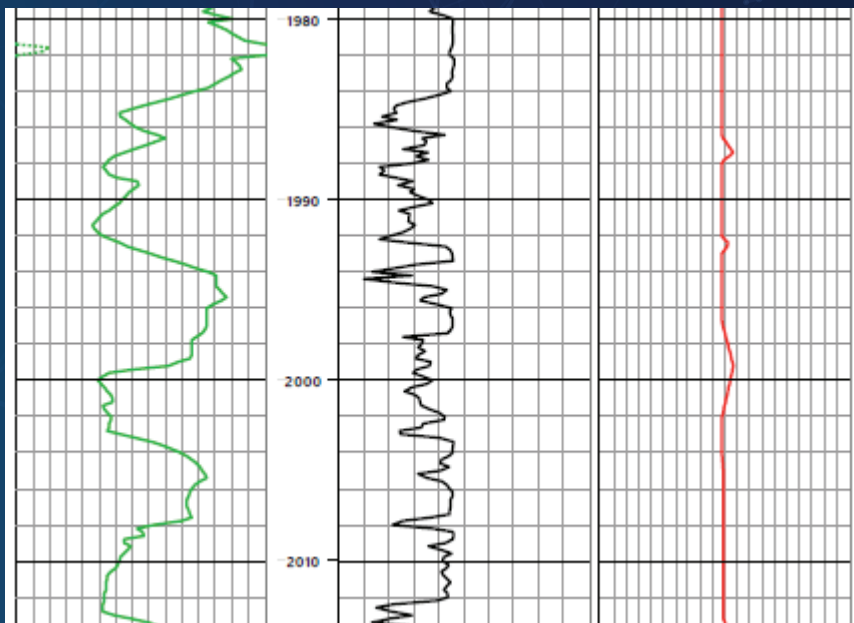
The pressure data provides more useful information for wellbore management, kick detection, and equivalent circulating density (ECD) optimization.

Mechanical and electrical connections are adaptable to work with new and legacy MWD systems.

This is an add-on module that requires an MWD tool equipped with a directional controller to facilitate the pressure data transmission using generic variables.

FEATURES

- ✦ Pressure data is available as real-time and/or logged in onboard memory.
- ✦ QBus and CAN Bus models available.
- ✦ Telemetry transmission using generic variables.



SPECIFICATIONS

MECHANICAL

Total Assembly Length	58.5 cm (23.03 in)
Sensor Housing Length	29.0 cm (11.460 in)
Sensor Housing Diameter	5.07 cm (1.997 in)
Seal Chassis Length	1.10 cm (4.30 in)
Seal Chassis Diameter	3.79 cm (1.49 in)
Controller Chassis Length	18.5 cm (7.28 in)
Seal Chassis Material	6061 Aluminum Alloy, Anodized
Weight (Sensor Housing)	3.17 Kg (6.87 lbs.)

ENVIRONMENTAL

Supports BHA Sizes	4-3/4 in to 8-1/4 in
Operating Temperature	-30°C to 175°C (-22°F to 347°F)
Storage Temperature	-30°C to 85°C (-22°F to 185°F)
Shock Rating	500G, 1ms Half-Sine
Vibration Rating	20G RMS, 10 - 500Hz

ELECTRICAL

Input Voltage	18 - 32 VDC
Operating Current	< 25 mA
Connector Type	15 Micro-D
Memory Capacity	8 MB

SENSOR

Transducer Rating	30,000 psi
Accuracy	0.1%
Resolution	1 psi
Over-Pressure Rating	35,000 psi

TELEMETRY

Average Pressure	GV0
Peak Pressure	GV1
Resting Pressure	GV2

