

APWD

Downhole pressure through drilling and pumps-off periods.



SOURCE PRODUCT ILLUSTRATION

A calibrated, temperature-compensated pressure instrument records average, peak and resting annular pressure alongside temperature and drilling dynamics. Sampling and measurement start times are programmable, with memory recording and real-time transmission.

0.1% FS

pressure accuracy

175°C

temperature rating

1.875 in

module diameter

Module specifications

Parameter	Published value
Module diameter	1.875 in
Module length	34.9 in
End connection	10-pin Kintec
Maximum temperature	175°C / 347°F
Accuracy	0.1% full scale
Repeatability	1 psi
Supported collar size range	4.75-9.5 in
Pressure limit / transducer range	Confirm selected configuration

The source lists 20,000 psi and 15,000-29,000 psi in a misaligned table. Neither is presented as a verified universal operating limit.

Measurement channels

Group	Measurements
Pressure	Average, peak and resting
Temperature	Annular temperature
Vibration	Peak Z; peak X-Y; Z; X-Y
Event flags	Z/X-Y vibration; Z/X-Y shock
Counts	Z shock counts
Data availability	Eight real-time variables on legacy tools; source lists 14 total data points

Calibration process

Step	Source description
Calibration matrix	Seven pressures and eight temperatures
Thermal compensation	Two temperature sensors
Assembly calibration	Circuit board and transducer calibrated together
Conditioning	Pressure sensor and board burned in

Calibration process does not replace the published 0.1% FS accuracy rating.

Application & configuration

Applications: Equivalent circulating density evaluation; Hole-cleaning and barite-sag analysis; Leak-off and formation integrity testing; Connection and pumps-off pressure review.

The original pressure table has ambiguous system/transducer entries. Confirm the applicable pressure limit and transducer range before use. Measurements support evaluation, not a guarantee of well-control outcomes.

Source: Brochure_APWD.pdf(5).pdf. Values are transcribed from supplied documentation. Confirm the current assembly, operating envelope and telemetry compatibility with MWD Solutions before use.