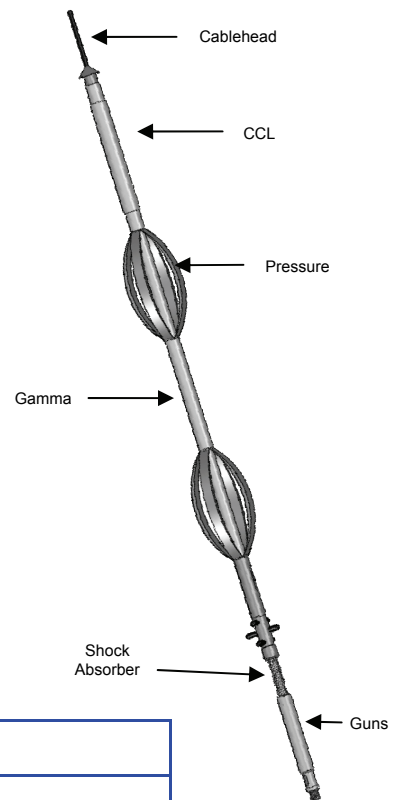


# Pressure While Perforating System with Gamma (PWP-300)

The **Pressure/Gamma While Perforating System (PWP-300)** is utilized when your perforating application requires real-time data acquisition of downhole pressure, temperature, **CCL** and gamma information. Numerous built in safety features to ensure safe operation of the **PWP-300**. The **PWP-300** system is built tough yet it is flexible enough to operate on a wide variety of mono-conductor electric lines; including cobalt. The unique running gear design protects the electronics from severe shock during perforating. The **PWP-300** data acquisition software allows real-time read-out of the pressure and temperature with an additional PC while gamma and **CCL** are fed directly to the existing e-line configuration, before and after perforating. The pressure data, using our hybrid quartz sensor, can be used for the evaluation of the reservoir and perforating job.

## SAFETIES & Benefits

- ◆ **Gamma Detection:** scintillation
- ◆ Gamma and pressure acquired simultaneously
- ◆ Built in **SAFETY** mechanisms
- ◆ Downhole gauge operates on positive polarity voltage, passes negative polarity voltage thru to the perforating guns
- ◆ Use with 1-7/16" O.D. cablehead and single-conductor armored cable
- ◆ Operator controls perforating with shooting panel in wireline truck
- ◆ Lower shoot-thru connection: 1-3/16" O.D. G-O pin (1-3/16 - 12 thread)



Diameter - 1.5" (38.1mm)	Length - 91.4" (2.32m) plus running gear	Weight. 34lbs. (15.4 Kg)
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Operating Temperature	32°F to 302°F (0°C to 150°C)
Pressure Ranges	10Ksi - 15Ksi (69,000 - 103,000 kPa)
Sample Interval	.9375 Seconds
Cable	Maximum of 275 ohms loop resistance and 1.5 mfd. capacitance
Resolution	Pressure .0025% Full Scale (.25 psi for 10K psi) Temp. .04°F
Accuracy	Pressure ± .05% Full Scale Temperature ± 3°F
Wireline Receiver	120/220/240 VAC, 50/60 Hz
Gamma Detection	Scintillation Crystal