

Piezo Pressure Gauge with Accelerometer

Application

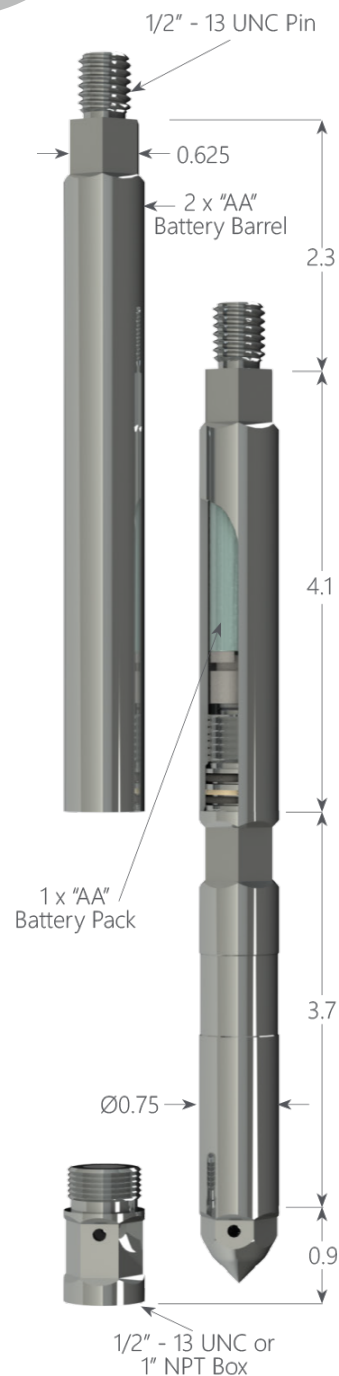
The 0.75" size is our most economical package and works well for gauge carrier, coiled tubing, and DST operations. AA battery packs are used in the 0.75" OD tools, which limits the duration the tool can be "on" downhole, typically no more than 2 to 3 months. The 0.75" piezo memory gauge with accelerometer has an o-ring sealed sensor similar to the classic gauge but also has an accelerometer sensor to measure any vibrations downhole.

Benefits

DataCan piezo gauge design is one of the smallest most compact designs in the industry, which ultimately helps decrease the cost of the tool. DataCan piezo gauges also have excellent efficiency, meaning the battery life of the tool is just as good, if not better than competitors. DataCan's download software, complete with a battery calculator, allows you to program your tool, graph your data, and create a report for your customer.

Features

- Measures Acceleration
- 0.1s Fast Sample Rate
- Max Pressure Trigger
- Min and Delay Pressure Trigger
- Delta Pressure Trigger
- 1 Million Sample Capacity
- Inconel 718 – NACE MR0175



0.75" Piezo with Accelerometer- Inconel 718

| Pressure | Temperature | Acceleration | Part No. |
|------------|-------------|------------------|----------|
| 750 psi | 100°C | | 101711 |
| 1,500 psi | 120°C | | 101712 |
| 3,000 psi | | | 101713 |
| 6,000 psi | | | 101714 |
| 10,000 psi | 125°C | Max 3g Min 3g | 101715 |
| 15,000 psi | | | 101716 |
| 20,000 psi | | | 101717 |
| 25,000 psi | | | 101718 |

Accessories

| Accessory Type | Part No. |
|-------------------------------------|----------|
| Bullnose SS316 | 100703 |
| Crossover 0.5-13 UNC SS316 | 100704 |
| Crossover 1.0 NPT SS316 | 101021 |
| Battery Barrel 1 X "AA" Inconel 718 | 100702 |
| Battery Barrel 2 X "AA" Inconel 718 | 100755 |
| Pelican Case Assembly | 100756 |
| USB Download Cable | 100682 |
| Redress Kit Viton 90 | 100445 |
| Redress Kit Aflas 7182B | 100446 |
| Redress Kit Chemraz 510 | 100447 |
| Battery Tester | 100876 |

Compatible Batteries

| Size | Max Temp | Part No. |
|--------|----------|----------|
| AA | 150°C | 100408 |
| | 165°C | 100804 |
| | 180°C | 100805 |
| | 200°C | 100409 |
| 2 x AA | 150°C | 100411 |
| | 165°C | 100806 |
| | 180°C | 100807 |
| | 200°C | 100412 |

Specifications

| | Pressure | Temperature | Acceleration |
|----------------------|-------------------|--------------|--------------|
| Accuracy Up To | 0.03 % F.S. | 0.25°C | 0.5% F.S. |
| Resolution | 0.0003% F.S. | 0.005°C | 0.0003% F.S. |
| Drift | < 3 psi/year | < 0.1°C/year | 0.1 g/year |
| Capacity | 1 Million Samples | | |
| Communication Method | USB | | |