



Capable of fast sampling at selected 'burst' rates up to 115,200 samples per second, Reservoir Group's Pulse Memory gauge is ideal for perforating jobs where a fast response is required to capture critical pressure data.

Fast sampling is triggered in two ways either by pressure 'Level' or pressure 'Window'. When pressure 'Level' is used, fast sampling is enabled when a pressure set point or level is reached. When pressure 'Window' is used, fast sampling is enabled when the pressure increases by a set amount over a set time period, effectively a rate of change of pressure in a short time frame.

The Pulse gauge has a large 2,000,000 data set 'burst' memory for capturing a critical event and a 500,000 data set standard memory for continual operation.

| Features | Benefits |
|--|--|
| Programmable 'burst' sampling intervals up to 115,200 samples per second | Performs in perforating jobs where a fast response is required |
| Replaceable AA lithium battery pack | Ease of use |
| No dangerous goods paperwork required | Easy shipping |
| Pressure rating up to 30 ksi operation | Enables fast sampling |

Pulse
for Demanding
Applications

- Pressure build-up or draw-down tests
- High pressure monitoring

- Perforating monitoring
- Production optimisation

Technical Specifications

| Pressure | |
|----------------------------|--|
| Maximum external pressure | Must not exceed sensor range or 30 ksi max |
| Range | 100 psi to ksi |
| Sensor type | Piezo-resistive |
| Accuracy (>100psi) | <±0.10% FSO |
| Resolution | 0.003 FSO |
| Temperature | |
| Maximum temperature | Must not exceed range or 150°C Max |
| Accuracy | ±0.1.0°C |
| Repeatability | ±0.1.0°C |
| Resolution | 0.001% FSO |
| Power | |
| Battery type | AA lithium |
| Operating voltage | 3.2 to 3.9 V |
| Battery Life* | Up to 42 days** |
| Memory | |
| Sampling capacity | 500,00 data sets |
| Standard sampling interval | 1 to 600 seconds |
| Burst capacity | 2,000,000 data sets |
| Burst sampling interval | 115,200 samples/sec for 2.3 seconds 57,600 samples/sec for 4.5seconds 28,800 samples/sec for 9.1 seconds 14,400 samples/sec for 18 seconds 7,200 samples/sec for 38 seconds 3,600 samples/sec for 72 seconds 1,800 samples/sec for 145 seconds |
| Other | |
| Materials | Inconel 718 |
| Service | Standard and H ₂ S |

*Battery life varies with temperature and sampling interval

**Life expected using standard sampling only, on 5 second sampling interval at 125°C. Additional 'Burst sampling will reduce this marginally

