

NIXUS™

DURABLE DOWNHOLE PRESSURE GAUGE

The NIXUS gauge records pressure and temperature, it is rugged and able to transmit data for DST operations and production wells.

DESCRIPTION & BENEFITS

NIXUS is suitable for use during DSTs, has very low power consumption and will also work for many years in production wells.

With the PARAGON system, and duplex control, the NIXUS can be reprogrammed from surface. This allows high time resolution data to be captured and analysed. An example of this is stimulation or fracking where screen out or hot spots can be captured on memory in a fraction of a second, and presented at surface for instant examination.

Metrol has used NIXUS for:

- > stimulation & fracking
- > acid jobs
- > gravel packs
- > DST transient analysis
- > leak detection
- > zonal isolation
- > packer integrity
- > barrier integrity
- > plug integrity

FEATURES & SPECIFICATIONS

Transducer type pressure / temperature	strain
Available pressure ranges	10,000 - 15,000psi
Pressure accuracy	± 0.1% of full scale (e.g. 10,000psi transducer accuracy: ± 10psi)
Pressure resolution (typical)	0.05 psi (at 1 second sample duration)
Pressure drift	<6psi/month typical at fullscale pres. & temp.
Pressure and temperature maximum hysteresis	<5.0psi
Max. over pressure	20,000psi
Temperature range	-20°C to +150°C (-4°F to 300°F)
Temperature accuracy	± 1°C (±1.8°F)
Temperature resolution	0.01°C (0.02°F)
Memory capacity	2,250,000 Data Sets (eg. 26 days at one second sampling and approx eight years at two minute sampling)
Dimensions (DST)	122cm (48") x Ø 31.8mm (1.25")
Dimensions (production)	242cm (95.3") x Ø 34.75mm (1.37")
Weight (DST)	3kg (6.6lbs)
Weight (production)	10.1kg (22.3lbs)
Sample rates	1/64 second to 256 seconds (Fully programmable & re-programmable in hole)
Duration	Up to eight years (dependent on temperature)
TRICS/PARAGON adapter	Allowing wireline and acoustic data retrieval and the facility to re-programme the gauge

