

Tolteq iSeries Pulser Module (iTPM-NXT)

The Tolteq™ iSeries pulser module (iTPM-NXT) is a rugged and reliable retrievable pulser tool with a configurable design. The iTPM-NXT features extended battery life and a connection design that reduces or eliminates broken pins, while advanced electronics enable extensive logging and analysis through the Tool Tracker™ system. Fewer parts translates to simple maintenance, and an innovative screen design and high-temperature tolerance ensure the tool's superior downhole reliability.



Features Benefits

- Internal current consumption logged into memory
- Up to 4 bps data transmission rates under ideal conditions
- Eliminate noise in downhole tool electrical system
- Incredible reliability, even in the toughest LCM environments
- Enhanced circuit protection features
- Interfaces with legacy MWD system
- Simplified single-coil design
- Operational time and environment recorded in internal memory*
- Integrated three-axis digital flow switch
- Shock and vibration monitoring and logging*
- Firmware update via Internet
- Flow switch values and performance logging*
- Simple maintenance enables rapid teardown and rebuild times
- Eliminates the maintenance-intensive bladder/bellow with a piston-based pressure compensation design
- Quality Tolteq wiring inside with strain relief connectors and high-temperature mesh covering for wires

*Requires Tool Tracker to download

Electrical Specifications

Operating voltage range.....20 to 30 V
Current usage.....25 mA idle
Battery life.....more than 300 hours per battery

Physical Specifications

Length (w/caps).....45.83 in. (1164 mm)
Diameter.....1.875 in. (48 mm)

Environmental Specifications

Operating temperature range.....32 to 347°F (0 to 175°C)
Survival temperature.....-40 to 365°F (-40 to 185°C)
Vibration, random.....20 g RMS, 15 to 500 Hz
Shock.....1,000 g, 0.5 mSec., half-sine