

Memory Production Logging Tool (MPL)

The Sondex Memory Production Logging (MPL) Tools are designed to store data from borehole logging equipment. The tool logs data from production logging and pressure tools, which operate on Ultrawire™ telemetry.

Description

Memory tools enable the use of downhole logging sensors without an electric wireline. Slickline, coil tubing or PCL are common conveyances for memory tools. A downhole battery pack (MBH) is required.

The MPL tool supports standard Ultrawire™ Production Logging tools including the Capacitance Array Tool. It is programmed at the surface for sample frequency and duration. A PC running Windows 2000®/Windows XP®/Windows Vista®, via a USB port, Sondex interface kit (MIPO06) and software are required for this task.

After programming, the tool string is controlled by the MPL tool, while logging data is sent to the MPL where it is stored in flash memory. When the toolstring is returned to surface, the MPL is downloaded to a laptop and the data can be processed using a variety of software.

Features

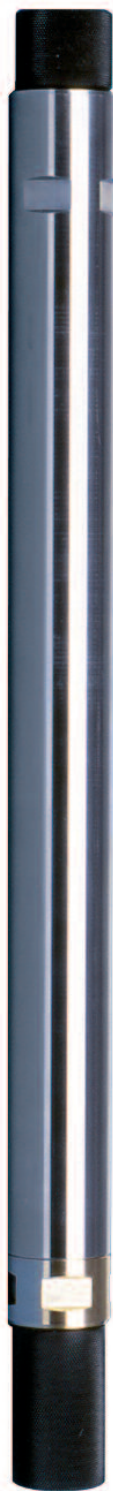
- Non-Volatile Log Data Memory retains data during power loss.
- Self-checking software reloads after power failure.
- Easy to use PC software for programming and data retrieval.
- Total flexibility over sample rate.
- Long duration production/injection profiling.
- High capacity, long life Lithium batteries in separate battery holder.
- Current consumption <0.5mA on standby.
- Sampling interval from 0.1 seconds upwards.

Specification

| Model | MPL024 | MPL030 |
|---------------------|--------------------------------|-----------------|
| Temperature rating | 350°F (177°C) | |
| Pressure rating | 15000psi (103.4MPa) | |
| Tool diameter | 1 11/16in (43mm) | 1 3/8in (35mm) |
| Tool length | 19.7in (500mm) | 18.8in (478mm) |
| Tool weight | 7.5lbs (3.4kg) | 4.26lb (1.93kg) |
| Toolbus | Ultrawire™ | |
| Current consumption | 50mA | |
| Standby current | 0.5mA | |
| Power supply | + 14-20V DC | |
| Memory capacity | 32MB | |
| Materials | Corrosion resistant throughout | |

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