

# Ultrawire Memory Tool (UMT)

Acquires and stores data from a string of logging sensors without using electric line

## Applications

- Slickline & Coiled Tubing Production Logging
- Production/Injection Well Profiling
- Multifinger Imaging Tool Surveys
- Well Integrity surveys – casing and cement

## Features and Benefits

- Logging without electric wireline
- Operates with any combination of **Sondex Ultrawire™** Cased Hole tools
- 1 GB memory—configured as 512 MB with 512 MB back up, with option to operate with 1 GB single memor

The Sondex **Ultrawire Memory Tool (UMT007)** is designed to acquire and store data from a string of logging sensors without using electric line. Slickline, Coil Tubing or PCL (pipe conveyed logging) are common conveyances for memory tools. The tool logs data from any combination of downhole instrumentation operating on Sondex Ultrawire telemetry.

The UMT tool provides a Dual Memory feature, for complete back-up, such that in the unlikely event of one Memory chip failing, the data has been written a second time and may still be retrieved. A laptop, interface cable (UMU001) and UWMemlog software are required to program the UMT tool with a profile

defining the data sample rates and time periods at which tool output will be recorded. Sample rates are variable for each logging tool and start and stop times are also programmable, allowing power and memory to be preserved. Downhole, the UMT controls the tool string and stores logged data against time in non-volatile flash memory. When the toolstring is returned to surface, the UMT is downloaded to the laptop. The UMT data is merged with depth-time data from a Depth-Time Recorder (DTR) before processing to industry standard depth-based log files. The UMT is powered by a separate, high capacity Lithium battery pack in a battery holder (MBH).



## Specifications

	UMT007
Temperature rating	350°F (177°C)
Pressure rating	20,000 psi (137.9 MPa)
Tool diameter	1 11/16 in. (43 mm)
Tool length	12.5 in. (317.6 mm)
Tool weight	5.9 lb (2.7 kg)
Toolbus	Ultrawire production logging tool
Current Consumption	<25 mA (<4 mA standby)
Supple voltage	+ 12 Vdc to + 20 Vdc
Memory	1 GB
Sample rates	20 ms to days (in 20 ms increments)
Tool download time	50 MB/min typical (computer dependent)
Materials	Corrosion resistant throughout