

Depth Time Recorder (DTR)

Acquire real-time data of depth, tension and speed

Features and Benefits

- Time based depth recorder.
- Use for all memory cased hole logging services.
- Record time based analogue signals.
- Intrinsically safe version available.
- On/off switch, backlight switch and four push button controls.
- Records data in imperial or metric units.
- Re-chargeable and non-rechargeable internal batteries.
- RS232 download to PC.
- Suitable for coil tubing or slickline operations.

The Sondex **Depth Time Recorder (DTR004)** is used to record measured depth and other surface signals such as tension, against time when the tools are deployed in the well. It is connected to the coil tubing or cable encoder. The DTR has push button controls and a backlit LCD to display several parameters including depth, tension and line speed. Connections for a shaft encoder and up to 4 analogue data channels are also provided.

Data is recorded against time using an internal non-volatile real time clock; this has its own long life internal battery. DTR options are selected from a control menu by the operator -

inputs such as, depth measuring wheel circumference, analogue calibrations and depth/tension alarms can be entered. The unit can be powered from internal batteries or external mains and DC.



Specifications	
	DTR004
Height	3.93 in. (100 mm)
Length	9.44 in. (240 mm)
Width	7.48 in. (190 mm)
Weight (with batteries)	10.9 lb (4.95 kg)
Display	240 x 128 pixel monochrome with backlight
Internal power	4x D size Duracell TM, 100+ hour life Re-chargeable 10V lead acid battery, 40+ hour life
External power	10-24VDC : 100-250VAC @ 47-63Hz
Environmental	IP65
Analogue channels	2x 4-20mA; 2x 0-5V
Memory size	8MB
Memory capacity	Up to 460 hrs of depth only or 200 hrs depth + 3 analogue signals
PC download	19,200 or 9,600 baud RS232
Software	Sondex MEMLOG & Ultrawire MEMLOG
Encoder interface	Bi-phase. 5-12V and DIN 19234 type
Sample rate	1 second