



TECHNICAL DATA SHEET

XTU

Downhole Controller

The XTU Downhole Controller is the telemetry interface for surface read out logging services for both production logging and well integrity tools.

The XTU acts as both a communications interface and a programmable logging controller. It also incorporates a DCDC converter (switch mode power supply) to convert the high voltage on the wireline to power the individual sensors.

The XTU polls each tool in the toolstring for its data packet, assembling all packets into data frames for transmission to the surface acquisition system. By default, the polling program is automatically generated and executed by the XTU, but the polling programme can be modified by the READ logging engineer.

APPLICATIONS:

- Surface read out production logging operations
- Surface read out well integrity logging operations

BENEFITS

- Applicable for surface read out logging operations
- Deployable on Electric line, Intelligent Coil or Tractor
- Suitable for all well deviations
- Corrosion resistant throughout
- Selectable bit rate to suit varying demands and conditions
- Real-time feedback of internal temperature and head voltage



Image courtesy of GE oil & gas

Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool diameter	1 ¹¹ / ₁₆ in (43 mm)
Tool length	20.4 in (517 mm)
Tool weight	7.5 lb (3.4 kg)
Uplink data rates	50, 71, 100, 143 & 200 kbits/s
Downlink rate	300 bits/s
Upper connection	¹³ / ₁₆ UNF female thread with 4 mm single pin
Lower connection	¹³ / ₁₆ UNF male thread with 4 mm single socket
Materials	Corrosion resistant throughout