



## 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

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