

DEPTH TRACKING UNIT (DTU)

Using a combination of Hookload Sensor and a Rotary Encoder, the Depth Tracking Unit automatically tracks bit depth in drilling applications. The unit is designed to be directly compatible with the Geolink system, but may be operated independently as part of other MWD/LWD surface systems.

As a supplementary function, the unit also provides Intrinsically Safe power and serial communications for rig floor tool configuration and download.

Key features include:

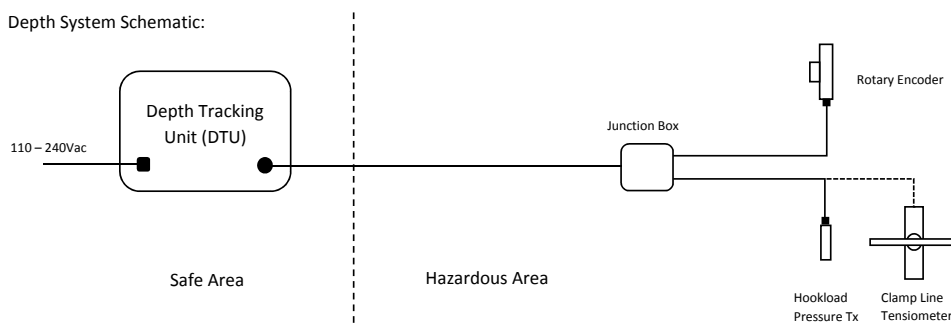
- ▶ Rotary Drawworks or Geolograph input
- ▶ Hookload pressure Tx or Line Tensiometer
- ▶ Modular package - maintenance ease
- ▶ Robust transportation case
- ▶ Bright display and entry pad
- ▶ Intrinsically Safe tool communications
- ▶ Drawworks layer compensation
- ▶ Advanced In/Out Slips algorithm



Description	Value	Units	Comments
I/O Peripheral	Alphanumeric Keypad		
Input Transducers	Hookload Pressure Transducer Drawworks Rotary Transducer		4-20mA – See note 1 Quadrature
Output	LCD Display Serial Communications		
Functions	Depth Tracking Remote Serial Communications		
Electrical			
Operating Voltage	110 – 240	VAC	(50/60Hz)
Hazardous Area Protection	IS Circuits		Intrinsically Safe barriers used for all Hazardous Area connections
Interfaces	2 x Serial RS-232		SIB Comms/Rig Floor Tool Comms
Environmental			
Operating Temperature	-20 to 50 -4 to 122	°C °F	
Storage Temperature	-20 to 70 -4 to 158	°C °F	
Vibration	5	g rms	50 – 1000Hz
Notes: 1. Clamp Line Tensiometer option also available.			



Depth System Schematic:



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Product Support

Azimuth Oilfield Systems Ltd. provides a responsive repair, calibration and product support service. Experienced personnel are available to troubleshoot or repair equipment, and provide general product technical assistance. If you need effective sensor support for your business, then contact support@azimuthmwd.com for more information.

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