Bench Tree Orientation Module (BTOM)

Product Sheet

Bench Tree's orientation module utilizes genuine Bench Tree magnetometers, sensors and an advanced, proprietary calibration technology. Combined with Bench Tree's electronics module, downhole software, precision calibration service and magnetometer, the BTOM is the most accurate and stable measuring device for extreme temperatures available to the industry. It is available in 150°C, 175°C and 185°C configurations.

- Accurate and robust precision and sensing downhole
- Fully compatible with MWD systems
- Single-piece chassis and ruggedized z-accelerometer for extra reliability
- Industry-proven dependable board-sets
- Uses standard communication bus
- New manufacturing technology provides enhanced reliability
- Fits chassis for BTEM and other legacy QDT-style chassis
- Calibrated from 25°C to 185°C
- Custom configurations and other temperatures available

Weight	3.3 lb (1.5 kg)				
Dimensions	OD: 1.36 in. (34.5 mm) Length: 29.2 in. (741.7 mm)				
Connectors	Top: 21 pin MDM Bottom: 15 socket MDM, non-magnetic				
Joints	Industry-standard pinned lap joints with elastometric supports				
Operating temp, std		Low	Max for standard models		
	Operating temp, std [3]	25°C	150°C	175°C	185°C
Accuracy, std configuration [1, 4]	Inclination: <+/- 0.1° Azimuth: <±0.2° (dip A <70°, 90° incl)[2] Gravity: +/- 0.0015 gees Dip angle: +/- 0.2° Mag field: +/- 150 nT				
Power	1W				
Vibration	20g Grms, 30 to 1000 Hz				
Shock	1000g 0.5mSec-½Sine				

1: Contact Bench Tree for other ranges
2: Tighter performance on request
3: Accuracy is achieved in a clean and controlled environment using a calibrated reference
4: Tolerances may differ based on usage

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Complete Solutions for MWD - LWD