

**DTI**

Dragan Technologies Inc.

Drilling Alignment Solutions...
... for Better Accuracy and Improved Profitability

www.dticanada.com

DTI TERRA AX-20-MT



DTI TERRA AX20-MT is an **Angle Indication System** that shows the present drilling **RING** and **DUMP** angles.

Features

- Modern Heavy Duty Design
- Measures both angular positions simultaneously before and while drilling.
- 1/10 of a degree accuracy.
- Designed to be integrated into existing control equipment.
- Features an out-of-sight display for trouble-shooting previews.
- For row alignment laser control see our A20-MT panel.

Technical Specifications:

- Real-time reading for up to two (2) angular planes.
- Full 360 degree coverage for each individual inclination plane
- CAN J-1939 output (optional)
- Analog 4-20 mA (optional)
- Set Point function.
- Rigid and waterproof enclosures.
- Reset (zero/offset) function.
- One year warranty.

TERRA AX-20-MT System is Designed for:

- Surface Drills
- Underground Drills
- Construction Machinery

With careful Research and Development based on years of experience in the Mining Industry for the **DTI TERRA AX20-MT** has resulted in **Excellent Performance** while being used in test mines.

Minimum Components and **Easy Installation**, that can be done by a local Mining Electrician, and no scheduled maintenance necessary, are just a few reasons why this tool is accepted **WORLDWIDE** as factory OEM solution, as well as an upgrade (retro-fit) solution.

Technical Specifications

Typical Resolution	±0.1°	degrees
Maximum Resolution	±0.1°	degrees
Measuring range of each individual plane	360°	degrees
Measuring range displayed	0.0° to 359.9°	degrees
Maximum operating temperature range	-30°C to 45°C	Temperature
IP Protection Rating of Sensor	IP67*	IEC60529
IP Protection Rating of Display unit	IP65*	IEC60529
Shock Rating of Sensor	10 g**	IEC60068
Shock Rating of Display unit	2 g**	IEC60068
Power Input	Vin	24VDC
VibrationAmplitude peak acceleration sweep rate		IEC60068 Test Fc in each of 3 Axis
ESD and Polarity Protection on all inputs	***see footnote	IEC61000-4-2

* Ingress Protection (IP) ratings are developed by the European Committee for Electro Technical Standardization (CENELEC) (NEMA IEC 60529 Degrees of Protection Provided by Enclosures - IP Code), specifying the environmental protection the enclosure provides.

** units of acceleration are equal to the standard acceleration of gravity, 9.80665 meters per second per second, or approximately 32.1740 feet per second per second.

*** meets or exceeds IEC61000-4-2:2008 standards for Electrostatic discharge and reverse polarity protection of commercial electronic products.

TA = 25°C, tilt = 0°, unless otherwise noted.

PARAMETER	CONDITIONS	Min	Typ	Max	Unit
VERTICAL ROTATION ERROR	Rotational plane within ±30° of cross-tilt	0.3		0.6	Degrees
Coverage	360° - Measured per quadrant	-90		+90	Degrees
Relative Accuracy	360° of Rotation		±0.25		Degrees
Sensitivity	-40°C to +85°C		.025		°/LSB



For more information on DTI products visit our website or contact us:

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