

HUM (THUMB)

Trailer Health & Utilisation Monitoring Box

The THUMB™ is a new, intelligent breed of asset tracking, health monitoring and asset controlling device allcombined into one, compact, low cost, highly connective and versatile product. The Trailer Health & Utilisation Monitoring Box, or THUMB™, is MTGA's proprietary solution to the customers' needs for a customisable solution to mine sites specific asset monitoring, tracking and control.

Using a Linux based operating system to interface with sensors and relays to interact with the physical environment, the THUMB™ provides information wirelessly to a database either using Wi-Fi or 4G/LTE with the capability to store or forward the data. In addition, the data collected can be stored online using Google Maps and your mine map to display markers at the location of each asset. One interface is used across all assets tracked with markers to represent the type of asset and provide a visual representation of its health.



Specifications

Type	Communications/ DieselAsset/ Lite (unpowered asset) / Custom
Mass	200g
Power Input (Cont.)	Up to 30V
Dimensions	200x115x55mm (LxWxH)
Common Features	- Wi-Fi/4G/3G Enabled - SNMP Enabled - GPS Positioning - GPIO interface
Communications	- Ethernet Interface - Internal Compass - Externally Mounted GPS Antenna - Monitors and Displays Solar & Battery
Diesel Asset	- Fuel Level monitoring - Remote/Automated ON/ OFF - Run time/Hour Monitoring
Lite	- Integrated Micro Solar panel - Self-charging (no need to replace battery) - Magnetic mounts for easy installation
Inputs/Outputs	- 6 x 12V Digital Outputs - 6 x (3.3V – 12V) Digital Inputs - 3 x (0 – 28V) Analog Inputs - 1 x 0-20mA dedicated Analog Input

