



THOR

Lightweight Digital Goniometer

Key Features

- Line of sight fine adjust control
- Low power consumption
- High accuracy and resolution
- Selectable payload counterbalance
- Rugged, lightweight and compact design
- Circular level bubble plus reversionary mechanical scales
- Full $\pm 45^\circ$ coarse tilt range
- Standard 5/8" 11 UNC tripod mount
- DMC compatible construction
- Cable-less payload connection option available

The THOR digital goniometer has been designed for use in alignment-critical applications where it is necessary to accurately measure and maintain the line of sight to distant objects.

Precise line of sight positioning and measurement make THOR an ideal choice for use with the latest generation of surveillance and target acquisition products and systems. A lightweight and compact design makes it particularly suited to man portable applications.

THOR features high resolution encoders providing reliable angle measurement better than 0.06° , while independently selectable line of sight fine adjustment mechanisms in both pan and tilt provide exceptional alignment precision and maintainability.

THOR is available in a number of configurations to suit different payload types, including options for cable-less payload interfacing.

Dual-Axis Fine Adjustment

Payload Quick Release

Counterbalance Switch

Optional Fire Button

Tripod Interface

Outline Specification

Weight (approx)	2.5kg (5.5lbs)
Dimension	178 x 173 x 124mm
Mounting	5/8" 11 UNC female
Payload Capacity	12kg (26.5lbs)
Payload Attach	Quick release
Payload Connectivity	Cable / smart
Elevation Range	±45° (800mil)
Azimuth Range	360° full circle
Axis Fine Adjust	±0.8436° (15mil)
Measurement	0.056° (1mil) 1σ
Positional Resolution	0.0056° (0.1mil) 1σ

Applications

- Multifunctional binocular support
- Target Acquisition / Designation
- Artillery and Mortar fire control
- Special Forces, JFO and JTAC's
- Multifunctional binocular support
- Thermal and night vision equipment
- Surveillance, video & still camera support
- Gun laying

Options

- Digital interface for leading EO sensors
- Cable-less EO sensor integration
- Goniometer payload interface type
- On goniometer fire button
- Goniometer paint colour