

Digital Meerkat

Integrated Goniometer Tripod with Fine Adjust Capability



Main Advantages & Features

- Digital goniometer with angle measurement accuracy better than 0.06°
- Very lightweight and compact design
- Independently adjustable leg angle and length (telescopic)
- Fine adjust mechanism in both pan and tilt with Independent braking action
- Circular level bubble
- Full +/- 45 degree tilt range
- DMC compatible
- Low power consumption
- USB serial interface for easy laptop or PDA connection
- Payload quick release mechanism
- Environmentally sealed

Applications

- Multifunction binocular support
- Night time survey using thermal and night vision equipment
- Surveillance, video & still camera support
- Laser rangefinder / designator support
- Communications antenna support
- Scientific instrument support
- Surveying and metrology applications
- Remote inspection

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Outline Specifications

Weight (nominal)	<1.25kg (2.75lbs)
Working height, MAX (nominal)	58.9cm (23.19")
Working height MIN (nominal)	20.3cm (7.99")
Payload capacity	8kg (17.6lbs)
Stowed dimensions	Ø13.6cm (5.35") x 42.8cm (16.85")
Payload interface (mechanical)	Quick release interface requiring compatible sensor adapter
Elevation movement	±45°
Azimuth movement	Unrestricted, 360° full circle
Fine adjust	Yes, Independent engagement in both axis
Brakes	Independent braking action in conjunction with fine adjust mechanism
Level bubble	Circular level bubble facilitating levelling to ±0.056°
Environmentally sealed	Yes
Operational temperature range	-33°C to +55°C
Positional resolution	0.0056° in azimuth
Positional accuracy	0.056° 1σ
Operating Voltage	Compatible with 5Vdc supplied from USB
Electrical connector	Single circular 62GB connector (tripod) USB 'A' Type (PC)
USB cable included	Yes, basic PC interfacing cable
Software included	Yes, basic PC interfacing application



Factory Options

- Elevation measurement capability
- Communications, Rs232 option
- Tripod height options
- Custom adapter assemblies
- Custom cableforms
- Colour

Optional Extras

- Interface adapter 1/4" 20 UNC
- Interface adapter 3/8 BSW
- Footplate and pin sets
- Carry pouches
- PDA with advanced interface software



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