

AMU-E-01

Features / Benefits

- The AMU-E-01 is a 2-axis Antenna Monitoring Unit (AMU) with GPS
- Monitors azimuth bearing and mechanical tilt
- Offers real-time antenna alignment monitoring
- GPS feature for positioning and altitude
- Communication via AISG ES-RAE v2.2.0 protocol
- FW 5.5.1
- Azimuth Accuracy: $\pm 5^\circ$
- Mechanical Tilt Accuracy: $\pm 1^\circ$
- GPS Positioning Accuracy: 5m (RMS)
- Altitude Accuracy: 10m (RMS)
- Accuracy depends on multipath environment, distance to metal objects, and number of satellites visible
- Field installable



GENERAL SPECIFICATIONS

Product Type, Configuration	---	Antenna Monitoring Unit (AMU)
Applications	---	Wireless Communication
Protocol	---	3GPP B / AISG2.0 / AISG ES-RAE v2.2.0
Firmware	---	5.5.1

MECHANICAL SPECIFICATIONS

Connectors	---	2x 8-Pin AISG connectors (1 male and 1 female)
Temperature Range	degrees	-40° to 70° C (-40° to 158° F)
Mounting	---	Directly onto antenna via external bracket
Dimensions, HxWxD	mm (in)	329 x 99 x 40 mm (13 x 3.9 x 1.6 in)
Housing	---	ABS Plastic
Mounting Screw	---	x4 M5 Torx Head Screws
Lifetime	---	50,000 hours MTBF

TESTING AND ENVIRONMENTAL

Ingress Protection	---	IP65
Lightning Protection	---	Grounded via AISG cable to antenna

ELECTRICAL SPECIFICATIONS

Power Supply	VDC	10-30 VDC
Power Consumption	Watts	< 2 Watts

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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