

# MilDef Tracking System TST101



A combined sensor\* with GPS, humidity, temperature and 3-axes shock. Communicates via a mesh network to our main controller, TGW. Easy mounting with magnetic fasteners. Very robust aluminium enclosure and protected according to IP64.

Very easy handling, install batteries and push the power button and the sensor will automatically connect to the mesh network.

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## Technical Specification

Mesh radio network	Runs on the ISM 2.4GHz band
Range	500m between nodes (free line of sight and 5dBi antenna)
Sensors	3 axis shock sensor (max 50g readout) Temperature sensor (-40°C to 85°C measurement)(-40°F to 185°F) Humidity sensor (0% rH to 100% rH) Positioning sensor (GPS)
Power consumption	< 100mW (max) < 1.6mW (typical)
Interfaces (Front)	1 x Service Port 1 x System button with status indicator 1 x Battery compartment
Interfaces (top)	1 x Mesh radio antenna (SMA) 1 x GPS antenna (SMA)
Interfaces (back)	2 x Rubberized magnetic fastener
Battery	3.6 V / 2000 mAh Lithium-Ion battery.
Power Input	DC 3.6 V
Case	Aluminium alloy
Dimensions	81 x 48 x 98 mm (W x D x H /w connectors and magnetic fasteners)
Weight	≤ 500g
Certifications	IP64

\*Contact MilDef for more information about different type of sensors

