

MEM10

Ultra Stable Electromechanical Mast System

Mast Unit with Minimum Twist and Deflection for Long Range Thermal Imaging, Target Tracking Tasks

APPLICATIONS

Border · Armored · UGV · Targeting · Radar · Comms mast

QUALIFIED TO **MIL-STD-810G · MIL-STD-461G**

RETRACTED	EXTENDED	RATED PAYLOAD	WIND LOAD	OPENING TIME	WEIGHT
1.000 mm	2.200 mm	125 kg	120 km/h	45 s	72 kg

MAIN FEATURES

Minimum Twist and Deflection

Individual telescopic screw shafts support every node, giving the stiffest mast in the range for long-range thermal imaging and target tracking.

Operates While the Vehicle Moves

Rated for use at extended height with the vehicle on the move, and for **120 km/h** wind over a **0,4 m²** reference area.

STANDARD CONFIGURATION

MEM10-1000-2200-0125 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Rated Payload	**125 kg**
Wind Load	**120 km/h**
Actuating Mechanism	**Motorized**
Drive Type	**Telescopic Screw Shaft**
Retracted Height	**1.000 mm**
Extended Height	**2.200 mm**
Weight	**72 kg**
Opening Time	**45 s**

ELECTRICAL & INTERFACE	
Operating Voltage	**18-32 VDC**
Power Standard	**MIL-STD-1275**
Communication Interface	**RS-422**
Connector Type	**MIL-DTL-38999**
MECHANICAL DATA	
Node Diameter	**180 mm**
Number of Sections	**3**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 58**

PART NUMBER	**MEM10 – [mast size] – [options]** · 4 build combinations
STEP 1 · MAST SIZE	4 codes · Retracted Height 1.000-2.000 mm · Extended Height 2.200-7.200 mm · Rated Payload 100-125 kg
OPTIONS	**LPEK** Lightning Protection and Earthing Kit **SPPC** Spiral Payload Cable **HEX1** Height Extender **IFPS** Frost Protection Sleeve **CRVH** Control Remote for Vehicle **CBIF** Cable Bundling Interface **IHIF** Instant Height Information **LG##** Label Language