

MES20

Modular Electromechanical Mast System

High Performance Weight Ratio Mast Unit Wide Configurations Suitable for Electro-Optical Imaging, Radar and Communication 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
1.200 mm	2.500 mm	78 kg	120 km/h	60 s	32 kg

MAIN FEATURES

Hybrid Screw-Shaft Drive

Patented screw-shaft actuation gives a high performance-to-weight ratio: **78 kg** payload from a **32 kg** mast.

Electromechanical or Manual

The same body is driven by motor or by crane arm, and locks at any height without springs or flange locks.

STANDARD CONFIGURATION

MES20-1200-2500-0078 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Rated Payload	**78 kg**
Wind Load	**120 km/h**
Actuating Mechanism	**Motorized**
Drive Type	**Hybrid Screw Shaft**
Retracted Height	**1.200 mm**
Extended Height	**2.500 mm**
Weight	**32 kg**
Opening Time	**60 s**

ELECTRICAL & INTERFACE	
Operating Voltage	**18-32 VDC**
Power Standard	**MIL-STD-1275**
Communication Interface	**RS-422**
Connector Type	**MIL-DTL-38999**
MECHANICAL DATA	
Section Width	**140 mm**
Number of Sections	**3**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 54**

PART NUMBER	**MES20 – [mast size] – [options]** · 4 build combinations
STEP 1 · MAST SIZE	4 codes · Retracted Height 1.200-3.300 mm · Extended Height 2.500-14.000 mm · Rated Payload 41-78 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