

# Manual Antenna Masts – FSM 1.6 / 2.0 / 4.0

## Description FSM-1.6 / FSM-2.0

The height level of the double telescopic antenna masts FSM-1.6 and FSM-2.0 can be manually adjusted from 0.9 / 1.2 m to 1.6 / 2.0 m (depending on the model). The height setting is made within a few seconds. In order to avoid unwanted reflections the mast rods are made of fibre glass. A collapsible tripod provides a secure stand and easy adaption to uneven ground. The perpendicular mast adjustment is simplified with a spirit level mounted at the tripod. A rotatable spider fixes the tripod legs for easy movement within seconds by one person only. Antennas can be mounted directly on the 3/8" male thread or by the use of adapters for double stacked antennas. Automatic change of the antenna polarization is possible by means of our electrical polarization switch, type FSM-EP1 (please find a detailed description on page 5).



Technical specifications	FSM-1.6	FSM-2.0
Height range	0.9 – 1.6 m	1.2 – 2.0 m
Antenna or adapter mount	3/8" male	
Material mast	fibre glass	
Recommended adapters	MAS, MAD	
Weight	6 kg	7 kg
Dimensions for transport (L x W x H)	1.0 x 0.3 x 0.3 m	1.2 x 0.3 x 0.3 m

Technical specifications	FSM-4.0
Height scan	with manual winch
Height scanning range	0.4 – 4.15 m
Required time for complete height scan	< 8 s
Required time for mast assembly	< 2 min
Antenna mount	22 mm with index ring
Mast material	fibre glass
Tripod material	zinc-plated steel
Costed option	fibre glass
Maximum antenna weight	5 kg
Total weight	13 kg
Tripod leg circuit diameter	2.06 m
Dimensions for the transport (L x W x H)	1.17 x 0.3 x 0.3 m

## Description FSM-4.0

The main applications of FSM-4.0 are emission measurements, where frequent height scans are required. Level adjustment from 0.4 m to 4.15 m can easily be done by using the manual winch. The mast can be set up and disassembled without any tools within 2 minutes. The FSM-4.0 tripod is suitable for both stationary and mobile applications. Thanks to its small transport dimensions it can be stored without problems even in small cars. The antennas are mounted with their 22 mm tube directly to the support. The polarization is fixed with an indexing ring for both, vertical and horizontal polarization without tools. There is no additional adapter needed to fix antennas with 22 mm tubes. Each of the three spider legs can be adjusted individually for a coarse level adjustment on uneven or inclined mounting surfaces.