

# ISD710 ANTENNA

The Inmarsat Mast Active Antenna ISD710 is a marine grade antenna for the Inmarsat GSPS service and whilst designed predominantly for maritime based applications, it can be also used in fixed site or mobile applications.

## Inmarsat Beam Mast/Pole Marine Antenna Active ISD710



### Technical Specifications

GENERAL		
RF Output Impedance Axial Ratio	50 Ohms	
Intended Operating Environment	Maritime	
Equipment Type	Mobile or Fixed Base Station	
Operational Band	$\leq 4\text{dB}$ , $0^\circ \leq \theta \leq 85^\circ$	
Extended Band	$\leq 6\text{dB}$ , $0^\circ \leq \theta \leq 85^\circ$	
Antenna Description	Type Maritime	
FREQUENCY		
Inmarsat Transmit (operational)	1626.5 to 1660.5 MHz	
Inmarsat Transmit (extended)	1668.0 to 1675.0 MHz	
Inmarsat Receive (operational)	1525.0 to 1559.0 MHz 1575.42 $\pm$ 10.25 MHz (GPS L1)	
Inmarsat Receive (extended)	1518.0 to 1525.0 MHz	
ENVIRONMENTAL		
<b>Temperature</b>	<b>Degrees °C</b>	<b>Degrees °F</b>
Operating	-40 to +70	-40 to +158
IEC 60945 marine specification	-25 to +55	-13 to +131
PHYSICAL		
<b>Dimensions</b>	<b>mm</b>	<b>inches</b>
Antenna	207 x 142 x 142	8.15 x 5.60 x 5.60
Box	260 x 210 x 170	10.23 x 8.27 x 6.69
<b>Weight</b>	<b>kgs</b>	<b>lbs</b>
Antenna	0.87	1.92
Box	1.11	2.25
CONNECTORS		
Inmarsat (GSPS)	SMA Female	
GPS	SMA Female	

The antenna connections (GSPS and GPS) are protected from the environment with its solid bracket attached to the antenna. The pole mount system is designed so that the cables can be thread through a PVC pole and then attached to the antenna directly keeping the cables and the connector protected from the environment.

The ISD710 works with all of the Beam Inmarsat IsatDock's and Oceana terminals, however MUST only be used with Beam certified ACTIVE antenna cables.

#### KEY FEATURES

- Inmarsat type approved
- High quality marine enclosure
- Active antenna
- Pole/Mast mounting
- SMA/SMA
- Omni directional
- 12 month repair or replacement warranty

### Accessories

ISD932- ISD935	Inmarsat Beam Active SMA/TNC Cable Kit - 6-31m/19.7-101.7ft
ISD938	Inmarsat Beam Active SMA/TNC Cable Kit - 40m/131.2ft
ISD942- ISD947	Inmarsat Beam Active SMA/TNC Cable Kit - 50-100m/164.0-320.1ft

#### APPLICATIONS



MARITIME



FIXED SITE



BOATS