








ARTEMIS 6S

LONGEST-RANGE
 SOLID-STATE
 MICROWAVE SENSOR

Artemis® 6S | a microwave relative position reference sensor for long-range DP applications. The **solid-state** microwave design and next-gen **digital signalling processing** enables a **cost-efficient** solution with outstanding value. Relative position is determined by measuring the distance and relative angle between two Artemis stations.

BENEFITS

Building on 50 years of Artemis pedigree, Artemis® 6S has many benefits such as:

-  **Operating range up to 10km**
-  **All weather operation**
-  **Automatic beacon and sensor acquisition**
-  **Overcomes GNSS scintillation**
-  **Interchangeable antennae and antenna units**
-  **New dashboard control**
-  **Stations and beacons compatible with legacy Mk4 and Mk5 structures**



Artemis® 6S is suitable for many applications with fixed structures such as **shuttle tanker loading** and **FSO/FPSOs**.

ARTEMIS 6S SPECIFICATIONS

Frequency

Frequency band	9200-9300 Mhz		
Four fixed, user selectable frequency pairs	Pair	Mobile Station	Fixed station
	0	9200 MHz	9230 MHz
	1	9300 MHz	9270 MHz
	2	9230 MHz	9200 MHz
	3	9270 MHz	9300 MHz

Azimuth Measurement

Range	360°
Display Resolution	0.01° (0.00° for entering reference as azimuth)
Data update rate	0.25s
Overall absolute accuracy	0.02° standard deviation

Distance Measurement

Range	10-10,000m
Display Resolution	0.01m
Data update rate	0.25s
Overall absolute accuracy	1m standard deviation

Connections

Power supply cable	3 x 1.5mm ² with screen; outside diameter 7-12mm
Ethernet	IEEE 802.3u 100BASE-T

Power Requirements

Supply voltage	230 VAC 50/60 Hz
Power consumption	75 W + 300 W (for antenna heater)

Artemis 6S semi-omni beacons are also available.



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