

**SENCITY® SC Panel**

91121363

**Properties**

- 1-Port Panel Antenna
- Frequency Band 380-500
- Vertical Polarization
- Half-power Beam Width 65°
- Gain 12 dBi



Electrical bands		
	Band 1	Band 2
Frequency (MHz)	380 MHz ... 430 MHz	430 MHz ... 500 MHz
Impedance	50 Ω	50 Ω
VSWR	1.5	1.5
Gain (dBi)	11.5 dBi	12 dBi
Halfp Beamwidth vertical	37 °	32 °
Halfp Beamwidth horizontal	68 °	63 °
Isolation between Ports		20 dB
Front to back ratio	18 dB	
Ambient Temperature	50 °C	50 °C
Composite Power max	500 W	50 W

Electrical remarks	
Remarks	IMD level -150 dBc at carrier power 2x 43dBm

Ports	
	Port 1
Connector	7/16, jack (female)
Polarization	vertical
DC grounded	Yes

**SENCITY® SC Panel**

91121363

<b>Connections</b>	
Port number	Port 1
Band 1	✓
Band 2	✓
<b>Mechanical data</b>	
Weight	12 kg
Dimensions	992 mm x 492 mm x 190 mm (Height x Width x Depth)
Remarks	Windload frontal: 500 N at 150 km/h, lateral: 220 N at 150 km/h , Wind speed survival: 200 km/h
	Packing size (mm): 1140x523x252
	Grounding: The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.
	Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.
<b>Interface and material data</b>	
Radome material	Glass Reinforced Plastic (GRP)
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Grey

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P31259 / Date of publication: 15.11.2023 / uncontrolled copy