



## GPS Repeater System – AS 61

### Description:

AS61 is a retransmission system for all GNSS frequencies for use in a building, lab use, production line, hangar or shelter or anechoic chambers.

Transmitting range is around 15-20m. The radiation angle / beam width is about 90°.

GALILEO is the GNSS of European Union. GLONASS is the GNSS of the Russian federation. Omnistar is a chargeable precise positioning service for users of GPS.



**AS 61**

### Technical Datasheet:

Art.-No.:	AS61-XX-V-xx(depending on the configuration)
Frequencies:	1575 MHz +/- 15 MHz (L1-zivil) 1227 MHz +/- 12 MHz (L2-MIL) 1176 MHz +/- 12 MHz (L5-neu) 1609 MHz +/- 7 MHz (L1-GLO) 1252 MHz +/- 7 MHz (L2-GLO) 1575 MHz +/- 17 MHz(E1/2 Galileo) 1164 – 1219 MHz (E5-Galileo) 1266 – 1290 MHz (E6-Galileo) 1542 MHz +/- 14 MHz(OMNI) 1542 MHz +/- 5 MHz(L6-Galileo)
Polarisation:	R.H.C.P. (Right Handed Circular Pol.)
Gain:	33-35 dB(antenna), 0-30 dB(repeater)
VSWR:	< 2.0 : 1 (antenna)
Cable length:	30 m (outdoor antenna to repeater)
Cable type:	LMR400 PE, LMR195 or others
Power supply:	230 Volt (power adapter)
Consumption:	100 mA +/- 5 mA (in total)
Impedance:	50 Ohm
Dimensions:	127 mm x 43 mm (antenna) 100 mm x 65 mm x 32 mm (without antenna)
Material antenna:	aluminium alloy base, composite radome, fire retardant, MIL-specifications on inquiry
Weight:	200 g (antenna)
Mounting antenna:	with screws, clamping on Pole Mount
Environ. Condition.:	100 % water proofed (outdoor antenna)

