



# GNSS receiver 122980-60



## GNSS antenna/receiver

The GNSS-receiver is intended for outdoor mounting and the antenna needs clear view upwards.

The receiver can be mounted on a mast by using a clamp or directly to a wall by using the enclosed aluminium bracket. It is also possible to remove the aluminium bracket and mount the enclosure directly to a roof.

A built in LED indicates the signal reception.

Connection to the master clock is done with 3 wires.

## General

The multi-GNSS receiver utilize concurrent reception of up to three GNSS systems (GPS/Galileo together with BeiDou or GLONASS), recognize multiple constellations simultaneously and provide outstanding accuracy in case of weak signals. The built-in chip antenna performs extremely well compared to traditional patch antennas. The omni-directional radiation pattern increases flexibility for device installation. Westerstrand GNSS unit uses a miniature 72-channel GPS. Its compact size and low power consumption make it ideal for this application.

## Technical Specifications

Receiver type:	72 channel concurrent GNSS receiver
GNSS reception capability:	GPS, Galileo, GLONASS and BeiDou. GPS L1C/A, SBAS L1C/A, QZSS L1C/A, QZSS L1 SAIF, GLONASS L1OF, BeiDou B1I, Galileo E1B/C
Timing accuracy:	± 30ns RMS
Operating temp:	-40°C to +80°C
Prime power:	+8V to 35V (Power supply from Master Clock / Time Central)
Power consumption:	0.2 watt (nominal)
Antenna:	Built-in chip antenna
Connection wire:	3 x 0.25mm <sup>2</sup> shielded, maximum length 300m Cable example: ELAKY/ELAQBY 2 x 2 x 0,28 mm <sup>2</sup> , LIYCY 3 x 0,25 mm <sup>2</sup>
Housing:	Polycarbonate case IP66, colour grey RAL 7035
Dimension:	100 x 100 x 50 mm
Weight:	Approx. 0.3 kg