



GNSS 2020

Active Receiving Antenna for the GPS, GLONASS, BEIDOU and GALILEO



DESCRIPTION

- Full hemispherical coverage for the GNSS.
- Built-in high gain, low noise amplifier.
- Input filter for thorough RF-overload protection.
- Right-hand circular polarization (RHCP).
- 3 V – 15 V supply voltage.
- DC supply via RF-connector.
- Total design carried out to make the antenna withstand tough environments.
- Comprehensive range of accessory mounting brackets available.

SPECIFICATION

Electrical

EMC Full protection (EN 301 489-1)

Power Supply 3 – 15 V DC

Model GNSS 2020

Frequency 1559 – 1610 MHz

Antenna Type Patch Antenna

Polarisation RHCP

Pattern Type Hemispherical

Impedance 50 Ω

Axial Gain 31 dBic (typ.)

Cross Polar Attenuation > 10 dB (typ.)

Environmental

Operating temperature range -40 °C to +70 °C

Survival Wind Speed 200 km/h

Ingress Protection IP67

Mechanical

Insulation Connector ground terminal galvanically insulated from the mounting hardware

Antenna Colour White (RAL 9010)

Wind Area 0.0045 sq. m / 0.05 sq. ft.

Connection(s) N(f)

Materials Antenna dome : Weather-resistant low-loss plastic

Historic Brand Amphenol Procom

Height Approx. 84 mm / 3.3 in.

Wind Load Approx. 3.7 N @ 160 km/h / 99.42 mph.

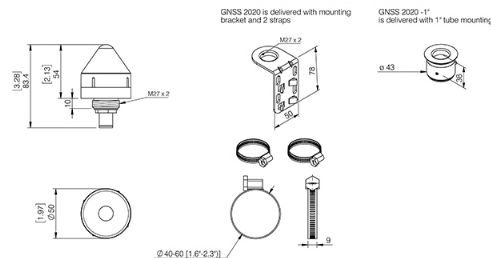
Diameter	50 mm / 1.97 in.
Weight	Approx. 0.25 kg / 0.55 lb.
Mounting	Vertical on pipe mast $\varnothing$ 25 – 33 mm / 1.00 – 1.30 in. on a mounting bracket 35 – 55 mm / 1.38 – 2.17 in.

ORDERING CODES

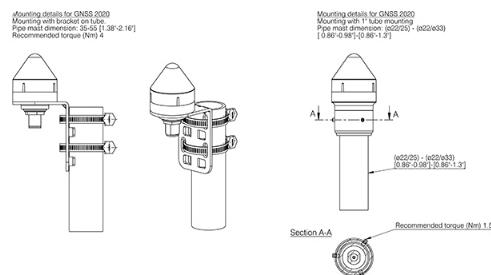
Model	Product No.	Additional Information
GNSS 2020	112000093	Bracket w. clamps
GNSS 2020-1"	112000094	1" Mount

ADDITIONAL INFORMATION

Dimensions

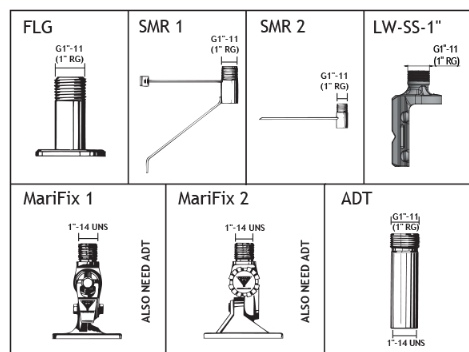


Mounting Details



All dimensions are given in mm [in.]

Accessories for GNSS 2020 1"



EU and UK Declaration of Conformity

Hereby Amphenol Procom declare that the product type GNSS 2020 is in compliance with EU Directive 2014/53/EU and the UK Radio Equipment Regulations 2017 (S.I. 2017 No. 1206).

The full text of the Declaration of Conformity is available at:

<https://s3.us-west-2.amazonaws.com/catsy.1080/Declaration-of-Conformity-GNSS2020.pdf>

