M8 Smart GPS Receiver

GPS / GNSS

Low power, high sensitivity and minimal acquisition time

Our Smart GPS receivers for MARINE APPLICATIONS are high precision products for professional use that include GNSS receiver and GNSS antenna integrated into one compact housing.

- GPS, GLONASS concurrent GNSS operation
- SBAS tracking increases position accuracy
- 72 Channels
- High update rate up to 18 Hz
- NMEA 0183 compatible

AVAILABLE MODELS

M8 - 24

Code: UX0GSG40SE

M8 GPS / GNSS receiver with 15 m Conxall to free wires AWG24 power cable (CBC0FS0809) marine network created thanks to the HB20 Connection Box!

M8 - 28

Code: UX0GSG00SE

M8 GPS / GNSS receiver with 15 m Conxall to Conxall power cable (CBCCFS0801)

M8 - W

Code: UX0GSG10SE

M8 GPS/GNSS receiver with built-in wire to Conxall (15 m power cable)

M8 Smart GPS Receiver

GPS / GNSS

TECHNICAL SPECIFICATIONS

PERFORMANCE

- GPS, GLONASS, Beidou, SBAS
- 72 channels
- High update rate:
  - 18 Hz in GPS only mode
  - 10 Hz in GPS + GLONASS mode
- Accuracy: 2 m CEP
- Sensitivity: -167 dBm
- Electrical interface: TTL voltage levels, RS-232 polarity

PHYSICAL AND ELECTRICAL

- Dimensions: 97 mm ϕ x 32 mm (61.5 mm with flag pole mount)
- Weight: 160 g without cable
- Supply voltage: 10 – 35 Vdc
- Power consumption: 0.8 W max

ENVIRONMENTAL

- Water resistance: IPX7
- Operating temp. : -20 °C / +60 °C
- Storage temp. : -30 °C / +85 °C

COMMUNICATION

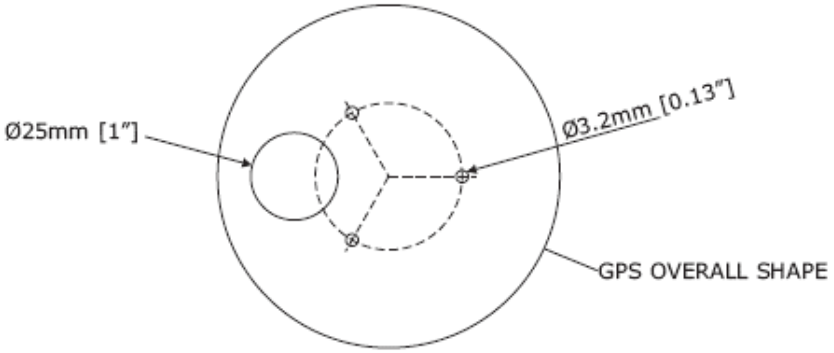
- NMEA 0183
- NMEA output messages: GGA, RMC, GSA, GSV, TXT

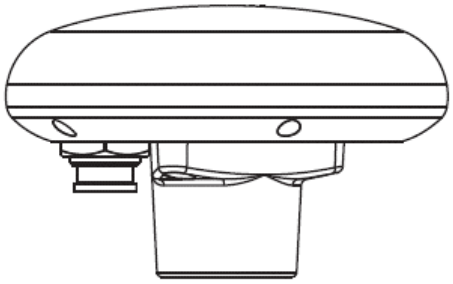
CONFIGURABLE PARAMETERS

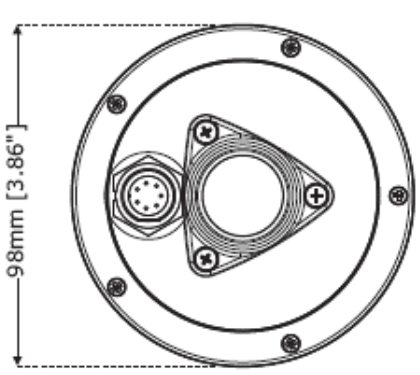
with optional AvMap PC application

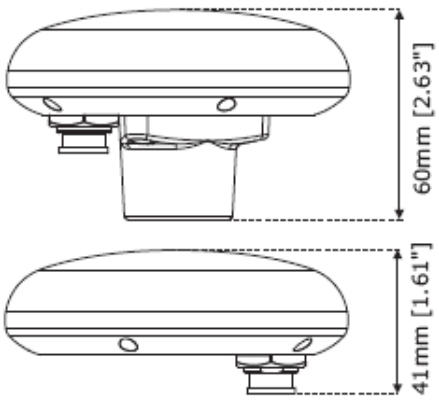
- GPS / GPS + GLONASS
- NMEA output messages
- Update rate from 1 Hz up to 18 Hz
- Baud rate from 4800 up to 115200

DIMENSIONS









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