



## M8 Smart GPS/GNSS Receiver

### High sensitivity and minimal acquisition time while maintaining low system power

*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.*

## TECHNICAL SPECIFICATIONS

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

### 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
- Supply Voltage: 10 – 35 Vdc
- Electrical Interface: TTL voltage levels, RS-232 polarity

### PHYSICAL AND ELECTRICAL

- Dimensions: 97 mm  $\varnothing$  x 32 mm (61.5 mm with flag pole mount)
- Weight: 160 g without cable
- Power consumption: 0.8 W max

### ENVIRONMENTAL

- Operating Temp.: -20° / +60° C
- Storage Temp.: -30° / +85° C
- Water Resistance: IPX7

### 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

## AVAILABLE MODELS



### M8 - 24

**Code: UX0GSG40SE**

M8 GPS / GNSS receiver with 15 m Conxall to free wires AWG24 power cable (CBCOFS0809)



### M8 - 28

**Code: UX0GSG00SE**

M8 GPS / GNSS receiver with 15 m Conxall to Conxall power cable (CBCOFS0801)



### M8 - W

**Code: UX0GSG10SE**

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