



GPS-C MU 3/TETRA/I

GPS Antenna with 3 dB Whip for the TETRA Band

- External antenna whip mounted on the GPS-Combi mount.
 - Black-chromed, stainless steel whip.
 - 3 dB Gain for the TETRA Band.
 - Easily removable whip for car wash.

Description

- GPS-antenna for fixed installations.
 - Full hemispherical coverage.
 - Built-in high-gain, low-noise amplifier.
 - Right-Hand Circular Polarization (RHCP).
 - 5 V supply voltage (3 V respectively 12 V available on request).
 - DC supply via RF-connector.

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
GPS-C MU 3/TETRA/I	132000130

SPECIFICATIONS FOR WHIP

ELECTRICAL	
MODEL	GPS-C MU 3/TETRA/I
ANTENNA TYPE	5/8 λ mobile whip antenna
FREQUENCY	380 - 400 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	Approx. 3 dB (acc. to EIA RS-329-1)
BANDWIDTH	≥ 20 MHz @ SWR ≤ 2.5
SWR	≤ 1.5 @ f.res.
MAX. POWER	25 W
MECHANICAL	
MATERIALS	Whip: Black-chromed, conical stainless steel Spring: Black-chromed brass
COLOUR	Black
HEIGHT	Approx. 450 mm
WEIGHT	Approx. 60 g
MOUNTING	On the GPS-Combi mount

SPECIFICATIONS FOR GPS-COMBI MOUNT

ELECTRICAL General specifications	
MODEL	GPS-COMBI MOUNT
ANTENNA TYPE	Active patch antenna
FREQUENCY	1575 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Circular right-hand
COVERAGE	Hemispherical
GAIN	28 dBic in axial direction (typ.)
CROSS-POLARIZATION ATT.	> 10 dB (typ.)
SELECTIVITY	> 45 dB down @ ± 45 MHz
BUILT-IN AMPLIFIER	
GAIN	> 30 dB (typ.)
NOISE FIGURE	< 1 dB (typ.)



PROCOM A/S reserve the right to amend specifications without prior notice.
01/12/15

P 1dB
 SWR (output)
 SUPPLY VOLTAGE
 CURRENT
 CONSUMPTION

Approx. +7 dBm
 ≤ 2.0
 5 ± 0.5 VDC (3 V resp. 12 V on request)
 Approx. 25 mA

MECHANICAL (only for the GPS-part)

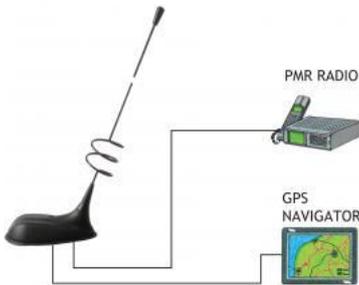
MATERIALS

Cu-nite brass
 Stainless steel
 Reinforced thermoplastic
 Black
 $-35^{\circ}\text{C} \rightarrow +75^{\circ}\text{C}$
 FME (male for GPS) +
 FME (female for mobile antenna)
 4 ± 0.5 Nm

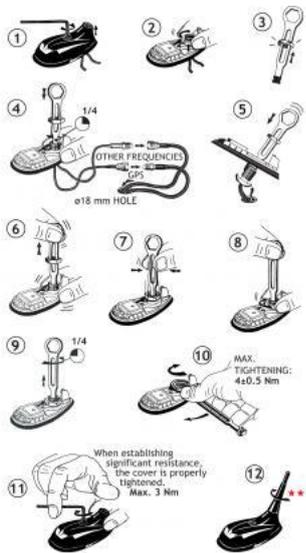
ANTENNA COLOUR
 TEMP. RANGE
 CONNECTOR

RECOMMENDED
 INSTALL. TORQUE
 DIMENSIONS (H x L)
 ROOF THICKNESS
 WEIGHT
 MOUNTING

Approx. 30 x 89 mm
 Max. 2.5 mm
 Approx. 114 g
 $\varnothing 18.0$ mm dia. hole for roof thickness up to 2.0 mm
 $\varnothing 18.5$ mm dia hole for roof thickness 2.0 - 2.5 mm
 Tools for mounting included



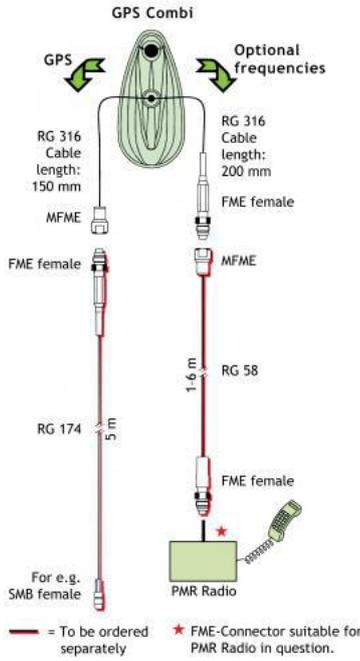
MOUNTING INSTRUCTIONS



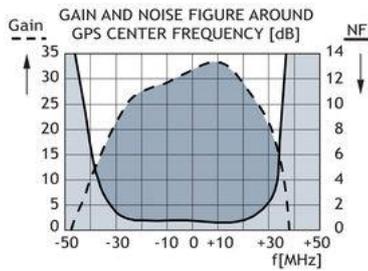
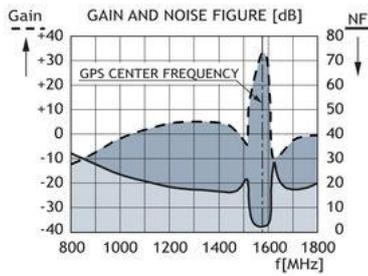
★★ The whip should always be dismantled during car wash.

CABLE MOUNTING





TYPICAL RESPONSE CURVE



VERTICAL RADIATION PATTERN

