

GPS/GLONASS-antennas  
GPS-B3, GPS-ET



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## 1. DESCRIPTION

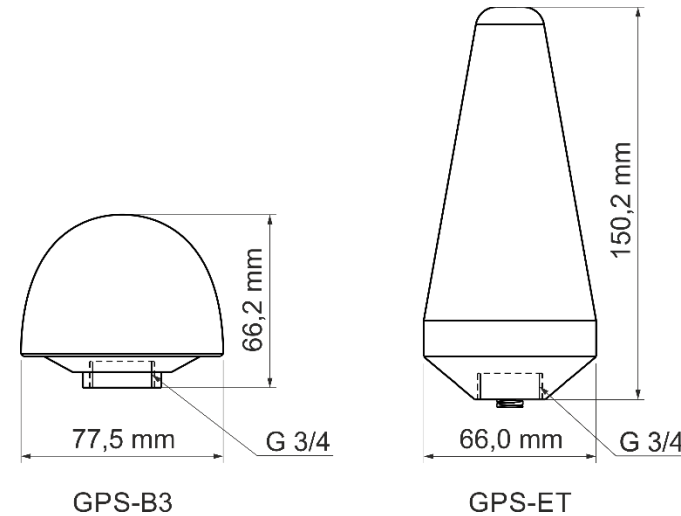
The antennas are designed to receive signals from satellite navigation systems GLONASS and GPS. Antennas have several versions depending on the length of the cable supplied, the operating temperature, the availability of the antenna feeder protection device. The antennas can be used with time sync module ENKS-2, remote terminal units ENKS-3M, ENKM-3, phasor measurement unit ENIP-2 manufactured by Engineering Center Energoservice.

## 2. TECHNICAL SPECIFICATION

Feature	Modifications			
Designation	GPS-B3.10 (GPS-B3.10SP)*	GPS-B3.20 (GPS-B3.20SP)*	GPS-B3.50 (GPS-B3.50SP)*	GPS-ET.50 (GPS-ET.50SP)*
Design				
<b>Specification of the antenna</b>				
Mounting	¾" pipe thread			
Connector	TNC (f)			
Frequency, MHz	1575,42-1602		1575,42±15 1598-1609	
Supply Voltage, V DC	3,3		3,3	
Gain, dB	30		33	
Operating Temperature, °C	-40...+90		-70...+90	
Overall Dimensions, mm	77,5(D)×66,2		66(D)×150,2	
Weight, grams	170		230	
<b>Specification of the cable supplied</b>				
Length, m	10	20	50	50
Diameter, mm	5		10,3	7
Minimum Bending Radius, Single Bend, mm	25		40	35
Minimum Bending Radius, Repeated Bends, mm, MM	50		82	70
Impedance, Ohm	50±2		50±2	50±2
Additional adapter for connection to the equipment	-		RG-58 type cable, length 0,5 m	RG-58 type cable, length 0,5 m
Connector for connection to equipment	SMA (m)			
Operating Temperature, °C	-40...+70		-60...+85	

\*Note: the package of GPS - ... SP modifications includes ESP-GN antenna feeder protection device

## 3. OVERALL DIMENSIONS



## 4. MOUNTING

The antenna must be installed outside the building in such a way that the antenna is located at the level of the roof. The installation site must be removed from objects reflecting signals from satellites (gratings, extended metal surfaces, etc.). In addition, for lightning protection, the antenna should not be installed above the grounded metal structures placed on the roof-antenna masts, exhaust pipes, lightning rods, etc.

## 5. MANUFACTURER

Engineering Center Energoservice  
26 Kotlasskaya St., Arkhangelsk, 163046, Russia  
Tel.: (8182) 65-75-65, Fax: (8182) 23-69-55  
Web-site: [www.enip2.ru](http://www.enip2.ru), sale: [sales@ens.ru](mailto:sales@ens.ru), support: [enip2@ens.ru](mailto:enip2@ens.ru)

## 6. WARRANTY

The warranty period is 12 months from the date of commissioning, but not more than 18 months from the date of shipment to the consumer.