



7D Kinematic Metrology

# Specification Sheet

## iGPS TRANSMITTER

The Transmitter is the basic building block of an iGPS or iSpace system. It is the origin of the iGPS signal. The transmitters establish the measurement volume by emitting two fan laser beams and an infrared strobe. The laser fans are emitted from the head of the transmitter which rotates at a unique frequency for each transmitter. Sensors in the volume detect the light signals which the software processes to determine the relative azimuth and elevation angle of the sensor.



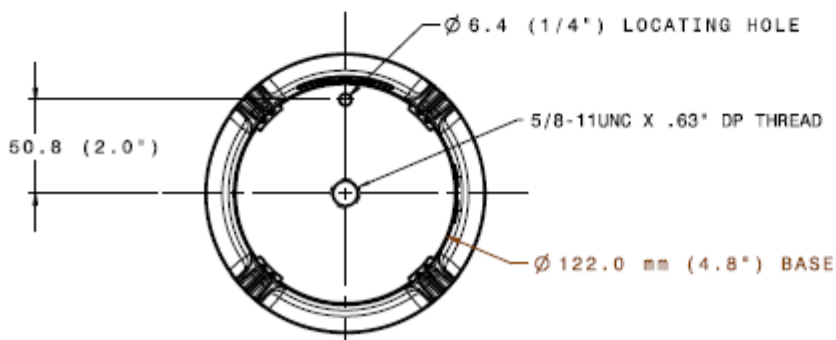
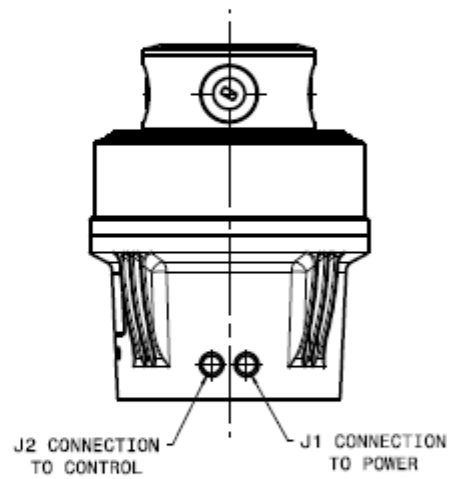
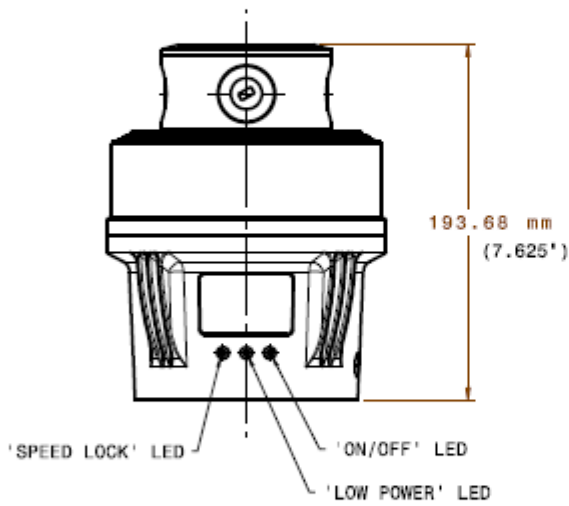
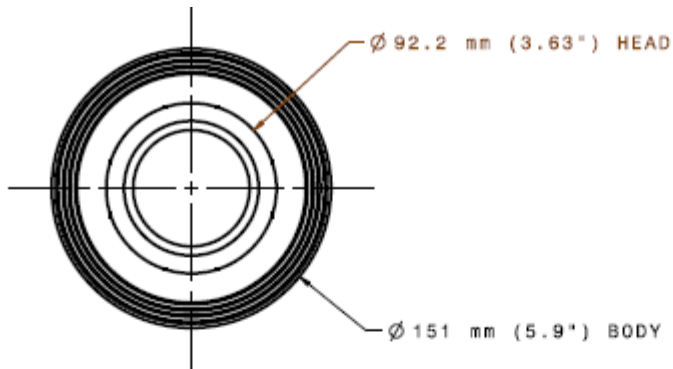
## KEY FEATURES & BENEFITS

- Establishes measurement signal for all sensors
- Compact & portable
- Flexible mounting options including tripods and wall mounts
- Can be added to any iSpace system to improve the accuracy or increase the measurement volume

## TECHNICAL SPECIFICATIONS

Part Number	0060551
Size	140mm diam. X 194mm (5.5" x 7.6")
Weight	3 kg (6.6lb)
Operating Temperature (non-condensing)	0 deg C to 40 deg C (32F to 104F)
Storage Temperature (non-condensing)	-20 deg C to 60 deg C (-4F to 140F)
Mechanical Interface	5/8-11UNC x 5/8" threaded hole with 1/4" clocking hole
Head Rotation Speed	40-50 Hz
Effective Range	2m to 40m (6.5' to 131')
Effective Signal Field	360 deg azimuth, +/- 30 deg elevation
Safety Classification	CDRH Class 1 LASER
Strobe Wavelength	890 nm
LASER Wavelength	780 nm
Power Consumption	8W @12VDC
Power Connector	4 pin connector with push-pull automatic locking and alignment guide

# PHYSICAL DIMENSIONS



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## 7D KINEMATIC METROLOGY

13-14 55 Fleming Dr  
 Cambridge, Ontario, Canada  
 N1T 2A9  
[www.7DKMetrology.com](http://www.7DKMetrology.com)  
[info@7DKMetrology.com](mailto:info@7DKMetrology.com)