

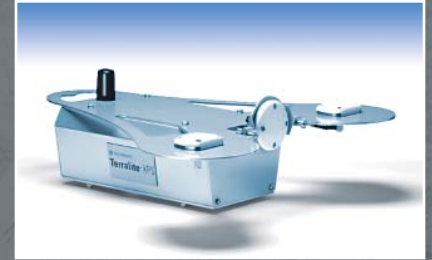
TX100 Terralite™ XPS Transmit Station

TECHNICAL SPECIFICATIONS

“Ground-based GPS Satellite” For 24/7 Real-time Positioning Coverage

The TX100 Terralite™ XPS Transmit Station is an integral part of Novariant’s Terralite XPS System developed for high-precision machine control and guidance applications requiring continuous, low-latency positioning information. As a component of a Terralite XPS constellation, each TX100 Terralite broadcasts Novariant’s proprietary XPS signal. This signal is received by an unlimited number of mobile GPS + XPS receivers enabling up to 100% availability of position data to operators in the pit.

Mounted on mobile stands and powered by a solar panel array, Terralites are self-sufficient and easy to deploy around the work site. The self-surveying Terralites can be quickly and easily repositioned to ensure maximum position coverage.



Standard Features

- Single channel XPS
- Compatible with Novariant GPS + XPS receivers
- Internal 900 MHz Radio
- Automatic self-surveying
- RS-232 serial port
- Ethernet port
- User manual
- Configurable via TCP/IP
- Compatible with leading brand radio systems

Optional Accessories

- Solar power station for continuous operation
- 28 foot trailer mounted mast

Performance

Terralite XPS Transmission	1 channel XPS transmission
Terralite XPS Signal Transmit Range	Typical transmit range of 6.5 km (configuration and site dependent)

Technical Data

Dimensions & Weights

Size	25.75" (L) x 24.00" (W) x 12.71" (H) 654 mm (L) x 610 mm (W) x 323 mm (H)
Weight	25.6 lb (11.6 kg)

Power Requirements

Power	28W 10 to 14 VDC
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Environmental

Temperature

Operating:	-20° C to +60° C
Storage:	-30° C to +80° C

Humidity

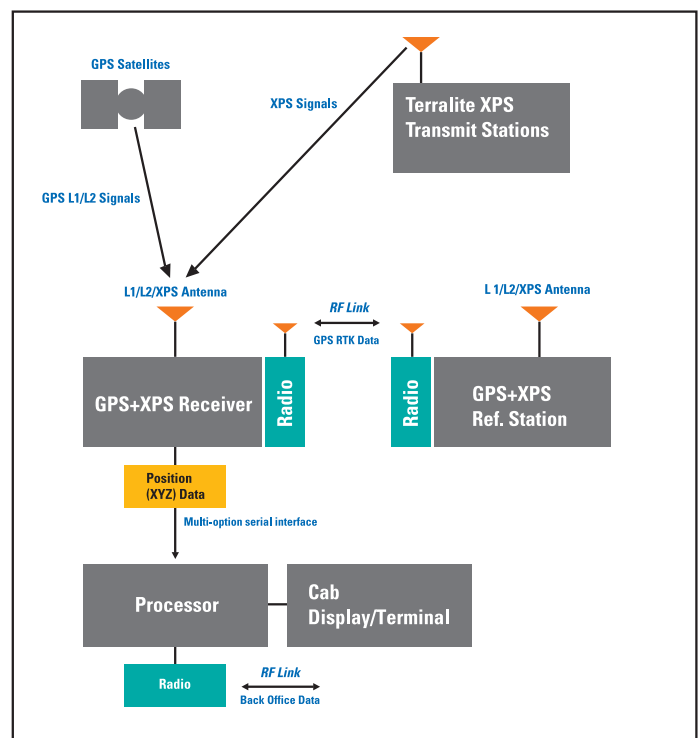
Humidity 100% condensing

Sealing

Dustproof, weather sealed enclosure

EMC

Emissions:	FCC Part 90 & Class A FCC Part 15 Class A
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Contact Information

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Specifications subject to change without notice.

