

GPS Over Optical Fibre System

APPLICATIONS

Timing and Synchronisation Systems.

High-Security & Military Applications.

Very Long Cable-Run Installations.

GPS Signals in Electrically Noisy Environments.

KEY FEATURES

GPS Signals Transmitted Over a Single Fibre.

Interference-Free with Minimal Signal Losses.

Complete Electrical Isolation.

Long Cable Runs, to 10Km.

KEY BENEFITS

Allows Long Runs of Low-Cost Optical Fibre.

Uses Flexible, Small Diameter Cable.

Complete Electrical Isolation Between Antenna & Receiver.

Highly-Secure, Tamper-Proof GPS Connection.

PRODUCT OVERVIEW

A GPS over fibre link system allows GPS signals to be transmitted with minimal losses over long cable distances. It provides a highly secure link between a GPS antenna and receiver. It is also resistant to electrical noise, allowing an interference-free link through harsh electrically-noisy environments. The technology transparently provides cross-site connection between a GPS antenna and receiver unit.

ADVANTAGES OVER COAXIAL CABLE INSTALLATIONS

- Minimal signal loss and degradation over very long cable runs up to 10km.
- Provides a highly secure tamper-proof connection between antenna and receiver.
- Interference free link through noisy environments, the optical signal is unaffected by electrical noise.
- Low-cost, flexible, small-diameter, lightweight optical fibre cable compares favourably with low-loss coax cable.
- Complete electrical isolation between antenna and receiver protects against lightning strikes and electrical surges.

SPECIFICATION

Model: TF-800325PRO

GPS to Fibre Enclosure: Anodised Housing.

Fibre to GPS Enclosure: 1U 19" Rack-mountable.

Frequency Band: GPS L1 / L2

RF Connector: TNC

Fibre: Single Mode Optical Fibre

Fibre Connector: FC/PC

PSU: 85 - 264 VAC

ADDITIONAL OPTIONS

TF-800327PRO – IP65 Weather-Proof Cabinet For RF to Fibre Converter Module

TF-700241 -100m Pre-Terminated Patch Cord GI-3.0 Optical Fibre Armoured Cable

TF-700240 - 200m Pre-Terminated Patch Cord GI-3.0 Optical Fibre Armoured Cable

