



## Fibre Optic Solutions for your Test and Instrumentation needs

Aerospace Test  
EMC/EMP  
Military  
Industrial Control  
High Energy Physics  
Automotive Test  
Custom



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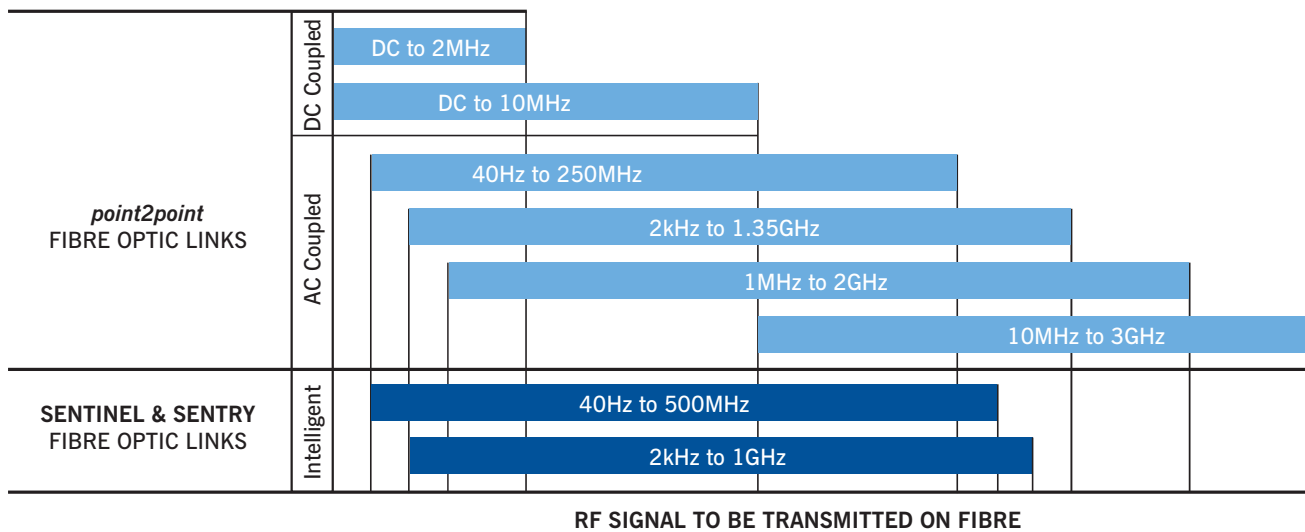
## Fibre Optic Test & Instrumentation Links

PPM's Fibre-Optic-Link (FOL) systems use a highly adaptable and modular platform making them ideal for a wide variety of test and instrumentation applications. Modules are available in a range of configurations, data formats and frequency ranges. PPM's Sentinel & Sentry range is the industry's choice for high quality and high performance antenna & probe remoting applications.

Sentinel, Sentry and **point2point** modules are available in electromagnetically shielded housings developed from years of experience of operating in high EM fields.

PPM's experience of working on military and aerospace applications has also led to a highly reliable and ruggedised design.

## Product Selection Chart



## Applications

- EMC test and measurement
- EMP and lightning test
- DC, RF and pulse signal monitoring and distribution
- Isolated high voltage monitoring
- Time and frequency domain monitoring
- Transmission in electrically noisy environments
- Partial discharge monitoring

## Why use a fibre link

The use of optical fibre has many inherent advantages over conventional copper alternatives:

- Immunity to electrical interference, so the signal is not corrupted by radiated interference
- Fibre is non-conductive, thus allowing intrinsically safe monitoring of equipment at hazardous voltages
- It uses highly flexible and small diameter cable
- Fibre is low loss, enabling very long path lengths with negligible degradation of signal-to-noise
- PPM wide bandwidth RF FOLs will transmit digital or analogue signals independent of data format

Discover the benefits of fibre

For further information on our products, please call us now: +44 (0) 1793 784389 or visit

[www.point2point.co.uk](http://www.point2point.co.uk)





## Intelligent FOL - Sentinel/Sentry

For monitoring a very wide range of signal levels in high electric field environments

- Wide dynamic range
- Flat phase and amplitude response
- 4 selectable inputs
- Remote transmitter gain setting and on/off control
- Selectable high impedance buffer
- Selectable pre-amplifier
- Ruggedised fibre optic cable and connectors
- Selectable calibration signal

## point2point FOL - DC and AC coupled

For high quality transmission of DC and AC analogue signals

- High stability DC coupled technology, greater than 3GHz AC link response
- Flat phase and amplitude performance for excellent pulse response
- Range of input signal levels
- Wide dynamic range
- Shielded and unshielded versions for receiver and transmitter modules



## System Controller

For full set-up and control of Intelligent FOL products

- Compatible with *point2point*, Sentinel/Sentry products
- Menu driven colour display
- Automatic detection of modules
- User upgradable operating system
- Supports up to 8 modules
- Remote control via GPIB/RS232 interface
- 19" rack compatible, plug-in module

## Housing Options

Common platform accommodates both Intelligent FOL and *point2point* products

- 19" rack chassis accommodate up to 10 *point2point* modules, or 8 *point2point*/Intelligent modules when a system controller is present
- Rack mount and desktop 19" rack chassis
- GPIB & RS232 interface to system controller
- Converter sleeve for stand alone operation of *point2point* modules
- Battery power option for shielded modules

**PPM, founded in 1994, has developed its world beating analogue fibre optic link technology into a range of products serving a diverse range of markets including Communications, Test & Instrumentation and Military equipment.**

Where our standard fibre optic link product range does not meet a specific requirement, our design team will work closely with the customer to rapidly tailor our core technology to produce the optimum product. This combination of standard production and custom design capability has enabled PPM to win many significant commercial and government contracts.

Please contact us to discuss your custom requirements.

### **Accessories and options**

#### **Power supplies and batteries**

- Shielded battery packs - standard and high capacity
- Shielded battery linking plug
- Battery charging lead (connects battery to PAG charger)
- PAG battery chargers
- Power supply for converter sleeve
- Shielded PSU for shielded remote module

#### **Fibre optic cable**

- Ruggedised fibre optic cables and connectors
- Bulkhead adaptors
- Patch leads
- Custom cross-site solutions

#### **Other Accessories**

- Cable management reels
- Transport and storage cases



**PPM works closely with partners to create a complete fibre optic solution.**



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