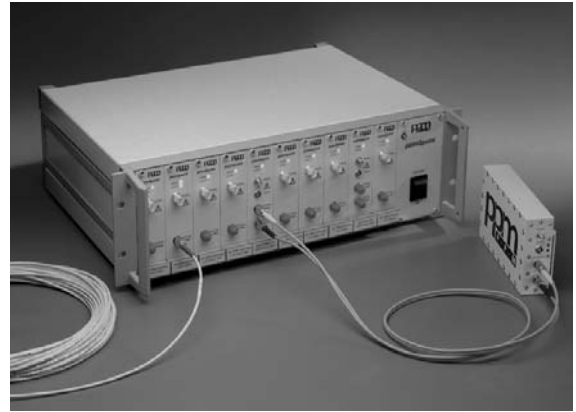


The **point2point (P2P)** is a highly adaptable and modular Fiber Optic Link System ideal for a wide variety of data acquisition applications including Antenna Remoting, RF signal distribution, RF delay lines and secure RF transmission.

### SYSTEM CONFIGURATION

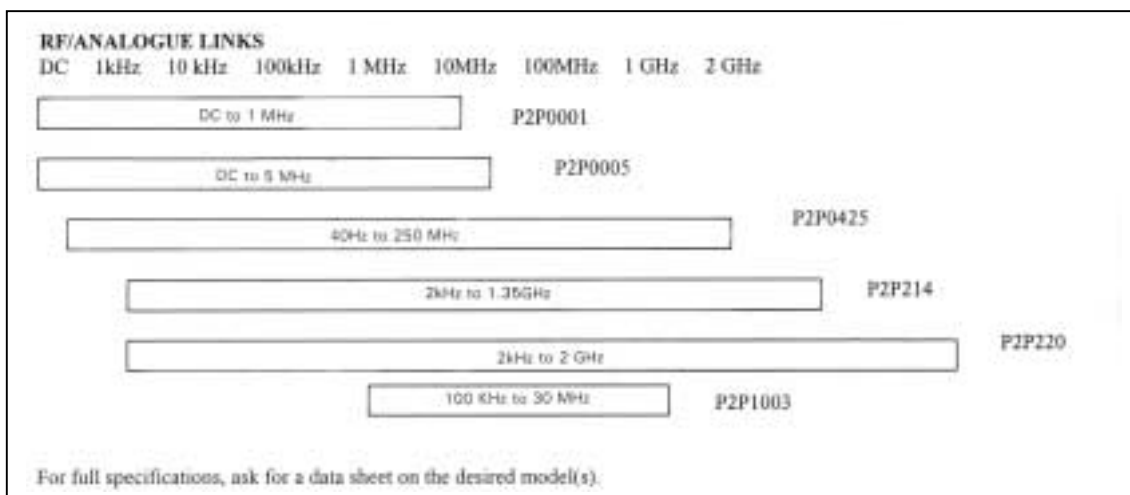
The use of optical fiber has many inherent advantages over conventional copper based alternatives:

- **Immunity to electrical interference, so the signal is not corrupted by radiated interference.**
- **Fiber is non-conductive, thus allowing intrinsically safe monitoring of equipment at hazardous voltages.**
- **It uses highly flexible and small diameter cable.**
- **Fiber is low loss, enabling very long path lengths with negligible degradation of signal-to-noise.**



Fiber Optic Links are available in many formats covering analogue data from DC to > 2 GHz, and digital data from DC to > 1 Gb/s. Many links are available with a built in full duplex RS232 data option which provides a compact solution for transmission of the user's command or control information in both directions.

P2P links offer wide frequency response for accurate transmission of broadband signals and wide dynamic range to permit simultaneous monitoring of low and high level signals.



A typical **point2point** link configuration consists of a Transmitter connected to a Receiver via a Fiber Optic Cable. Transmitter and Receiver units can be supplied in Satellite, Shielded Satellite, or in Rack Mount Module options. The Satellite Module is a standalone unit, designed for operation at a remote location. Up to ten Rack Mount Modules may be operated in the same rack. The rack is powered from the mains.

The **P2P0001** and **P2P0005** offer true DC coupling for monitoring of DC and very low frequency signals, high DC stability, and path length independence due to the use of digital signal transmission.

The RF transmission kit, **P2P1003**, is available in a foam-filled carrying case for ease of transportation.

## SPECIFICATIONS

	<b>P2P0001</b>	<b>P2P0005</b>	<b>P2P0425</b>	<b>P2P214</b>	<b>P2P220</b>	<b>P2P1003</b>
<b>BANDWIDTH (-3 DB)</b>	DC to >1 MHz	DC to > 5 MHz	40Hz to 250MHz	2 kHz to 2 GHz	2KHz to 2 GHz	100Khz to 110MHz
<b>RISETIME (NSEC)</b>	<500	<100	<1.4	<1.4	<1.4	<10
<b>INSTANTANEOUS DYNAMIC RANGE (DB)</b>	60	60	>150	>150	>150	>60
<b>TX INPUT IMPEDANCE</b>	IM $\Omega$ 25 pF	IM $\Omega$ 25 pF	50 ohm	50 ohm	50 ohm	50 ohm
<b>RX OUTPUT IMPEDANCE (OHM)</b>	50	50	50	50	50	50
<b>ELECTRICAL SIGNAL CONNECTOR</b>	TNC	TNC	SMA	SMA	SMA	SMA
<b>OPTICAL SIGNAL CONNECTOR</b>	FC/PC	FC/PC	FC/PC	FC/PC	FC/PC	FC/PC



**P2P-1003**



**P2P BATTERY PACK**