

Specialist Test & Instrumentation

PPM Test has been manufacturing test and measurement equipment since 1995 to support testing in:

- EMC Aircraft, including certifications
- EMP & NEMP
- HV & Utilities
- Harsh Environment.

A wide range of industries use PPM Test products, including:

- Internationally recognised UK aircraft testing organisations, such as QinetiQ and BAE Systems
- Military/Defence and Government
- National EMP test laboratories, such as RINA Consulting Defence Ltd
- The UK's Science and Technology Facilities Council.

QINETIQ

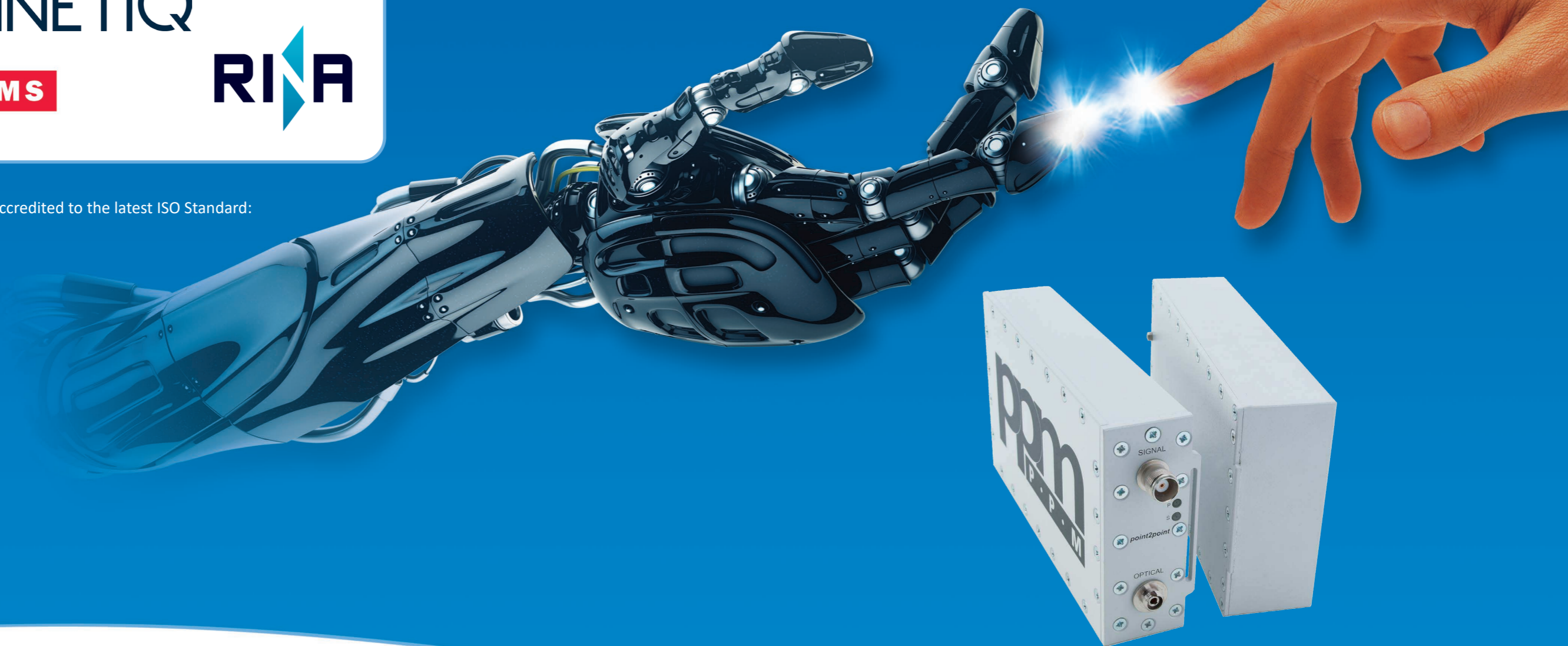
BAE SYSTEMS

RINA

Pulse Power & Measurement Ltd is accredited to the latest ISO Standard:
ISO 9001:2015.

ppm
TEST

point2point
RF over Fibre



ppm
TEST

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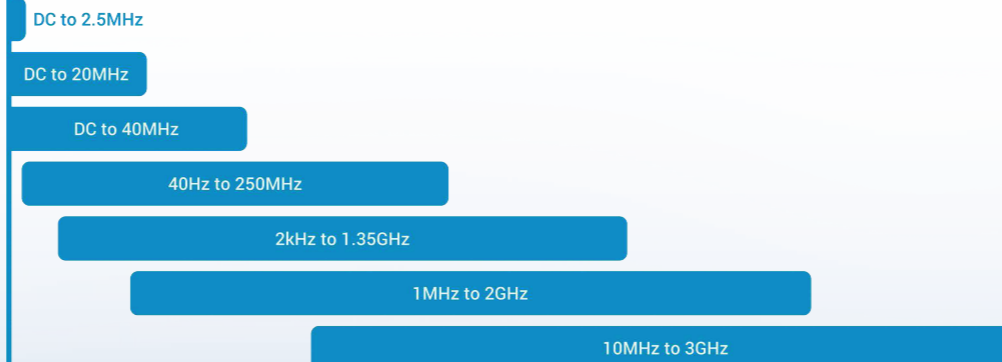
point2point RF over fibre - fully shielded transmission of DC and AC signals

Fixed gain, transparent links

point2point RF over fibre links are single-input, fixed gain links for transporting wideband RF signals. **point2point** links can transport signals up to 1 km with negligible degradation of signal-to-noise or frequency response.

Applications include EMC testing or monitoring in hazardous environments.

- AC links use intensity modulation. An RF signal is amplified, conditioned and converted to the optical domain for transmission over fibre. AC links are available up to 3 GHz.
- DC links convert the input into a 14 bit digital signal before optical conversion. Digitisation allows low frequencies to be transported in bandwidths up to 40 MHz. At the receiver, an optical signal is converted back into an electrical signal. Therefore a **point2point** link is transparent in any system.



Accessories

- Shielded remote transmitter modules use high capacity battery packs with resettable fuses for over-temperature and over-current conditions.
- The battery switch controller enables power control for up to four remote units to maximise test time between battery charges.
- A 4U desktop or rack chassis accepts up to 10 plug-in modules. The case incorporates a backplane PCB and power supply plus GPIB and RS232 control.
- A 1U rack chassis accepts three plug-in receiver modules.
- A battery power converter sleeve allows a remote receiver module to be operated on battery power. Options include a remote ON/OFF controller switch and 9 Amp-hour battery for very long run times.
- A DC converter sleeve enables a remote module to be powered by a 12 V DC source.

Transmitter options

Receiver options

