

## The essential accessory for accurate conducted emission results

- ▼ Self contained, automatic Pre-selectors.
- ▼ Choice of two units, Band B only or bands A and B, to suit the application.
- ▼ Can be used with **any** RF spectrum analyser for the measurement of strong or broadband conducted EMC emissions.
- ▼ Manual and automatic control. USB interface and command set included.



**CISPR16** These pre-selectors make true compliance practical and affordable!

**AUTOMATIC** The Laplace range of EMC analysers all include automatic detection and control of these pre-selectors for fully transparent operation.

**EASE** Adding a pre-selector to your conducted emissions kit eliminates out-of-band noise, making measurements easier and significantly more accurate and quicker.

Specification	RF910	RF915
Frequency range	150KHz – 30MHz	9KHz-30MHz
Number of filter bands	8	11
Input/output impedance		50 ohm
Input/output connectors		BNC
Pass band flatness		1dB
Insertion loss		4dB
Stop band attenuation		>40dB
Filter performance		5 + 5 pole
Control		Auto mode: USB interface
Manual mode		Paddle switch
Indication		LED indicators
Max signal level		+30dBm
Power		12Vdc (Mains adaptor supplied)
Size (W x H x D)		31 x 11 x 26
Weight		3kg

Strong broadband signals encountered during mains conducted compliance tests are a common cause of spectrum distortion and compression leading to false results on spectrum analysers. For this reason, CISPR16 specifies the use of pre-selectors.

Pre-selectors split the frequency content into relatively narrow bands and allow only one band at a time through to the analyser.

Band switching is synchronised with the analyser sweep. Thus the energy input to the analyser is significantly reduced, avoiding overload (compression) problems, without affecting the final result.

The performance of the analyser is thus enhanced and the overall system is similar to that of a measuring receiver, as required by CISPR16.

Typical sources that cause broadband noise are electric motors, power controllers, lighting controllers and industrial plant.

Other EMC products from Laplace cover the complete range of emissions test equipment, including analysers and LISNs.

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