

Pre-Amplifiers

Models SA1010 & P2085

Low noise amplifiers for EMC measurement applications

These pre-amplifiers are designed to amplify EMC interference signals received from antennas or LISNs or other 'transducers'. They provide signal gain such that low level signals can be input to receiver such that their dynamic range is fully utilised.



The SA1020 is a generally purpose, battery powered amplifier particularly suited to radiated emission measurement applications covering the range 9KHz – 1GHz.

The P2085 is a high gain amplifier, ideally suited to the recovery of LISN transient limiter insertion loss.



Specifications @ 25°C

Parameter	SA1020	P2085
Gain	20dB 1.5dB	30dB ±2dB
Frequency range	9KHz – 1GHz	9KHz – 100MHz
Max input	-10dBm`	-10dBm
Noise	<5dBuV	<5dBuV
Connectors	BNC	BNC (signal) SMB (Power)
Power	Internal Battery (PP3). 9V @ 35mA	12V DC. Supplied with mains plug-top PSU. 100/240v ac 50/60Hz
Physical:		
Size (incl. connectors)	114 x 106 x 45mm	97 x 40 x 30
Weight	212g (incl. battery)	220 g (incl. PSU)