

ISS11

INSTRUMENT SWITCH FOR THE REVERBERATION TEST SYSTEM



AUTOMIZE YOUR TEST SETUP

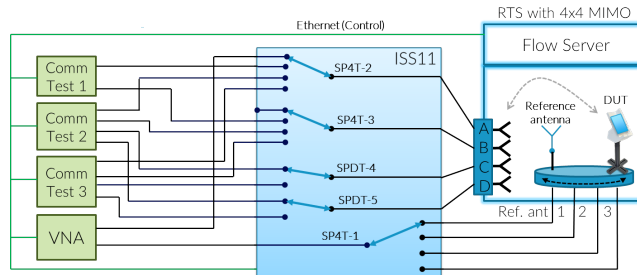
The Bluetest Instrument Switch – ISS11 – makes it possible for the user to create a permanent test set-up around the Reverberation Test System. All the instruments like Network Analyzer and Communication Testers can be connected to the chamber without time consuming re-cabling. ISS11 contains three high

performance SP4T switches and two SPDT switches for support of 4x4 MIMO communication testers. The switch is controlled via Ethernet and fully integrated with the Bluetest Flow software so that the correct instrument is selected depending on type of measurement. The switch can also be controlled manually with the front key-pad.

TYPICAL TEST SETUP

Figure 1 shows one connection example with three communication testers and one network analyzer. Communication tester 2 & 3 supports 4x4 MIMO and hence utilizes the two optional SPDT switches.

The third SP4T switch is in this case used to switch one of the network analyzer ports between the passive turntable ports in the RTS.



Test setup example

TECHNICAL SPECIFICATIONS

Power Supply	100-240 V AC, 50/60 Hz	
Power Consumption	Max 60 W	
Size (w x h x d)	450 x 133 x 320 mm (17.7 x 52.4 x 12.6")	
Weight	5.5 kg (12lb)	
Operating Temperature Range	+5 to +45° C (41-113° F)	
CE-certified according to	Low Voltage Directive	EN61010-1
	EMC Emission	EN61326-1
	EMC Immunity	EN61326-1

The ISS11 is equipped with rack mount flanges and handles as default.

3 x SP4T Module

	0-3 GHz	3-6 GHz	6-18 GHz*
Insertion Loss	0.2 dB	0.3 dB	0.5 dB
Return Loss	20 dB	18 dB	15 dB
Isolation	80 dB	70 dB	60 dB
Life	>10 Million Cycles		
Input Power	Max 30 dBm Hot Switching		

2 x SPDT Module

	0-3 GHz	3-6 GHz	6-18 GHz*
Insertion Loss	0.2dB	0.3dB	0.4dB
Return Loss	20dB	18dB	15dB
Isolation	80dB	70dB	60dB
Life	>10 Million Cycles		
Input Power	Max 30dBm Hot Switching		

Ordering Information

AM102	ISS11 Instrument Switch 4 x 4 Ethernet
*AM102-1	ISS11 Instrument Switch 4 x 4 Ethernet (18 GHz)

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