



**Model AS03007, M1  
AR System  
10kHz–3GHz**

The AS03007 AR System has been specially designed to perform Automotive Conducted Immunity testing over the frequency range of 10kHz–3GHz at test levels of up to 500mA.

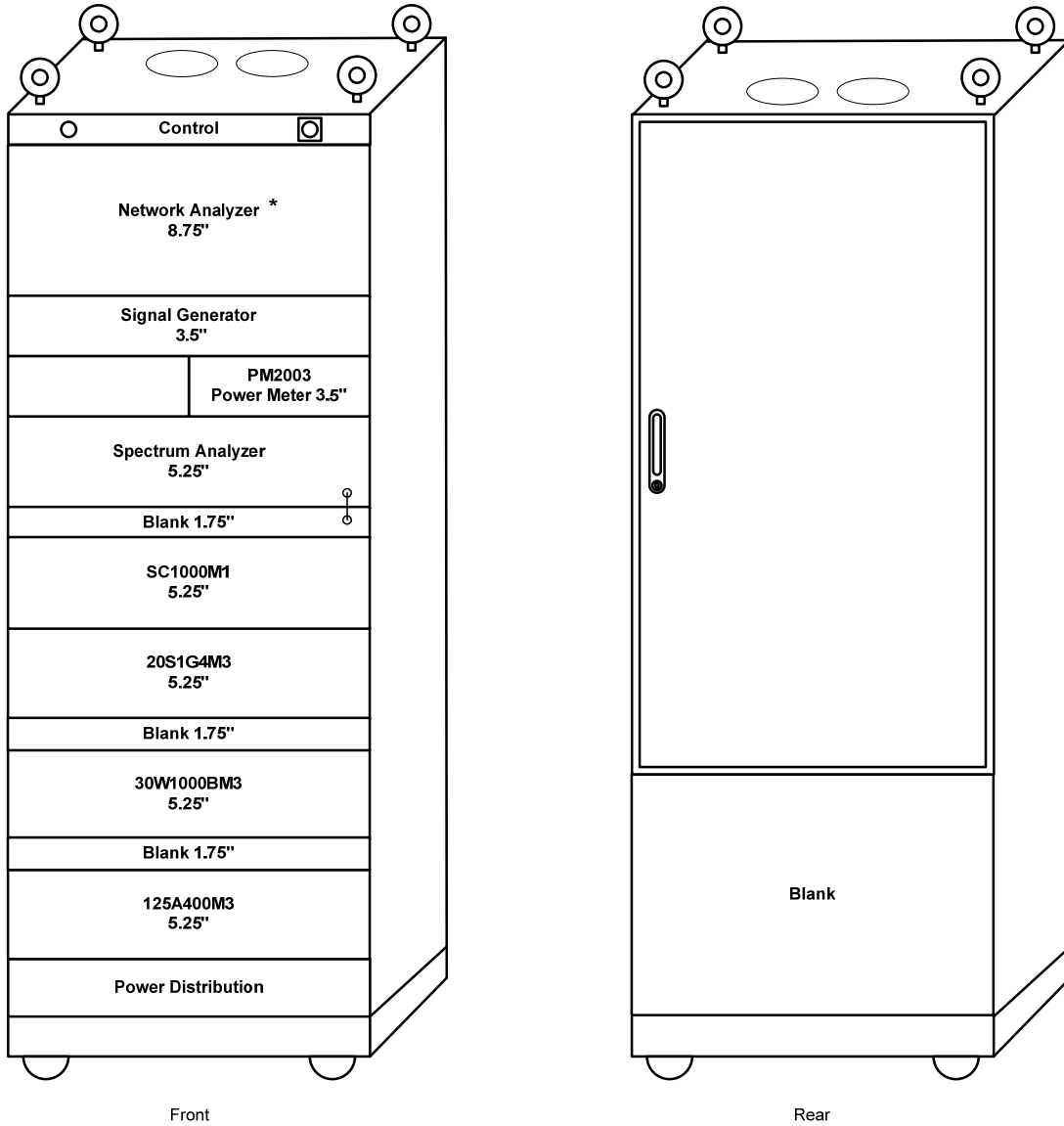
The signal generation, power and current monitoring, and control equipment are housed in a ventilated, 30U (52.5" panel height), rack cabinet. All internal RF and control cabling and AC power distribution is included. RF connections (signal out, RF sense in) are through Type N bulkhead connectors located on the side of the control rack approximately 80cm from the floor. This connector location allows the control rack to be placed next to the required conductive table with the RF connections even with the table surface.

This export classification for this system is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

**Equipment list:**

Item	AS03007	AS03007M1
Model 125A400M3, RF Amplifier, 10kHz-400MHz, 125 Watts CW	1	1
Model 30W1000BM3, RF Amplifier, 1-1000MHz, 30 Watts CW	1	1
Model 20S1G4M3, RF Amplifier, 700MHz-4.2GHz, 20 Watts CW	1	1
Model DC3400A, Dual Directional Coupler, 10kHz–400MHz, 200 Watts CW	1	1
Model DC3001A, Dual Directional Coupler, 100kHz–1000MHz, 100 Watts CW	1	1
Model DC7144A, Dual Directional Coupler, 800MHz–4.2GHz, 4 Watts CW	1	1
Signal Generator, 9kHz-3GHz, AM, FM, PM, Pulse Modulation(Agilent N5171B EXG X-series or equivalent)	1	1
Model PM2003, 3 Channel Power Meter	1	1
Model PH2000, Power Head, 10kHz-8GHz, -60dBm to +20dBm	2	2
Spectrum Analyzer, 9kHz-3GHz (Agilent N9320B or equivalent)	1	1
Network Analyzer, 100kHz-3GHz (Agilent E5061B ENA-series with S-parameter test set or equivalent)	-	1
Model SC1000M1, System Controller (RF Switch Matrix)	1	1
Model BI00400, Bulk Current Injection Clamp, 10kHz-400MHz	1	1
Model CF00400, Calibration Fixture for BI00400 Clamp	1	1
Model BP00400, Current Monitoring Probe, 10kHz-400MHz	1	1
Model AF20050, 20dB Attenuator, 50W	1	1
Model AF10050, 10dB Attenuator, 50W	1	1
Model TL50050, Termination, 50 Ohm, 50W	1	1
Model BI30413, Tubular Wave Coupler, 400MHz-3GHz, 13mm ID	1	1
Model CF30000, Tubular Wave Coupler Calibration Kit, 400MHz-3GHz	1	1
Adapter, Coaxial, SMA (male) to N (female)	2	2
Model CC21111015, Coaxial Cable, N(m)-N(m), 1.5m long	2	2
Model CC21111003, Coaxial Cable, N(m)-N(m), 0.3m long	1	1
Control PC with emcware <sup>®</sup> software preloaded, includes IEEE-488 control interface (Desktop or Laptop specified at time of order)	1	1

AS03007, AS03007M1



\* AS03007M1 version only

**Control Rack Specifications:**

Size (H x W x D)..... 150.6 x 56.1 x 82.3 cm (59.3 x 22.1 x 32.4 in)

Weight..... 131.8 kg (290 lbs)

Power Input..... 240VAC, 30A