



**Model AS18071, M1, M2
AR System
10kHz–18GHz**

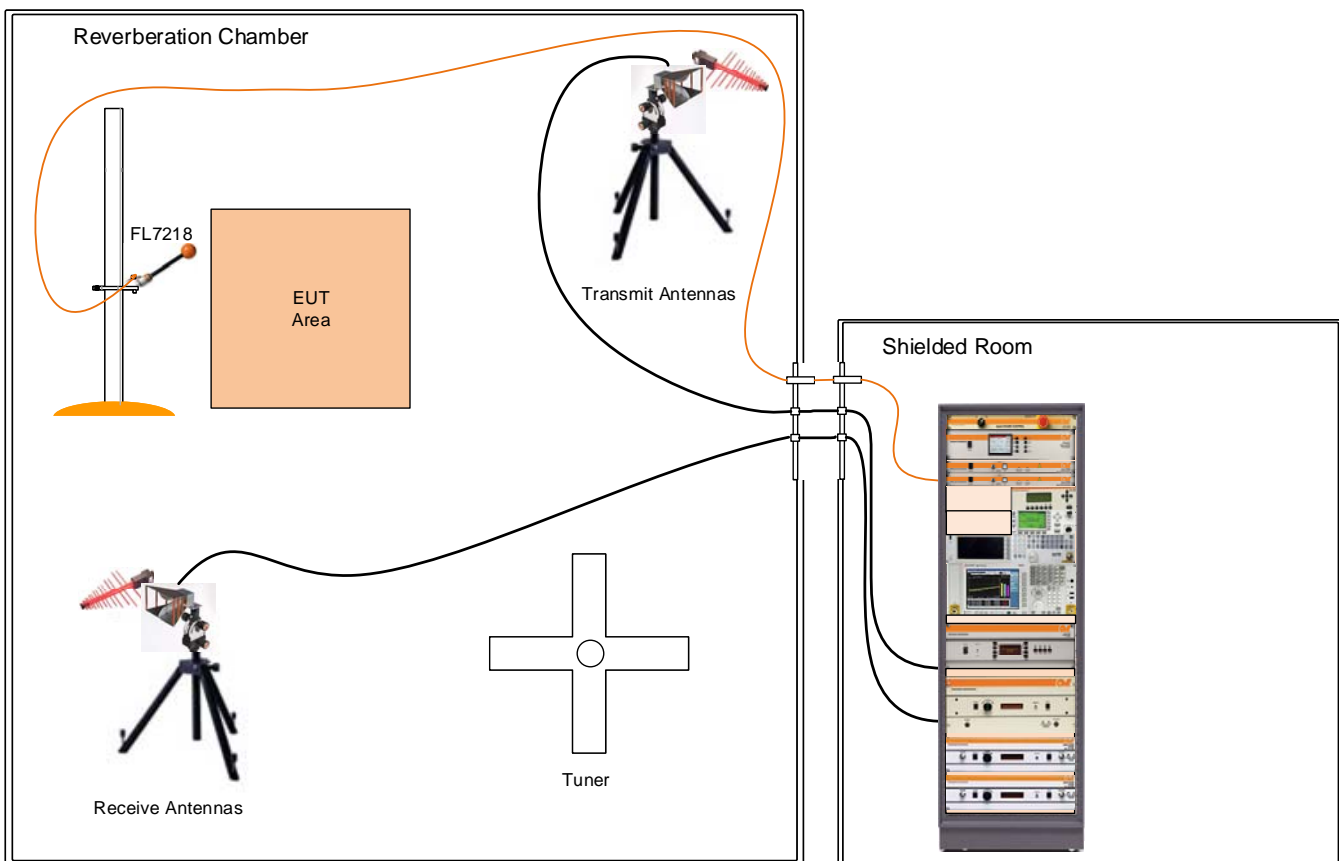
The AS18071 AR System is a comprehensive equipment package designed to perform turnkey Radiated Susceptibility testing using the Reverberation Chamber method. The supplied equipment is listed below. Please refer to individual product specification sheets for details. The export classification for this equipment is 3A001. This equipment is controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

The amplifiers and antennas were selected to generate field levels of up to 400V/m at frequencies between 200MHz and 6GHz and 300V/m between 6GHz and 18GHz in the reverberation chamber. The AS18071M1 System is supplied without the Spectrum Analyzer. The AS18071M2 System is supplied without the spectrum analyzer and includes the amplifier and antennas needed to test from 10kHz to 200MHz at a 200V/m test level (1m test distance) in a semi-anechoic chamber (not supplied).

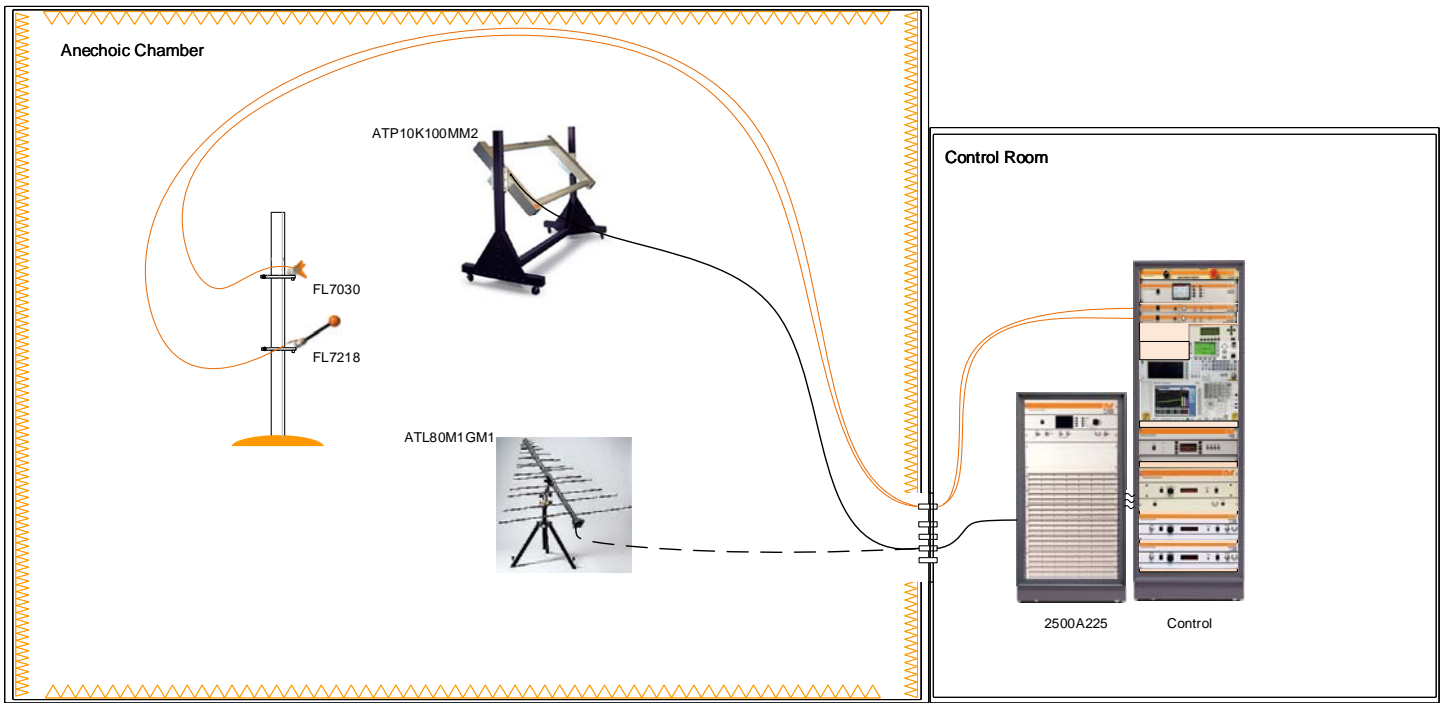
Equipment list	AS18071	AS18071M1	AS18071M2
Modify existing shielded room to Reverberation Chamber, Vertical and Horizontal Stirrers, 200MHz LUF, Inner Dimensions of 16.3ft x 10.0ft x 8.0ft (L x W x H), Usable Area of 7.1ft x 4.7ft x 3.84ft (L x W x H), includes Nexio reverb software and training (Sunar proposal)	1	1	1
Model 2500A225, Amplifier, 10kHz-225MHz, 2500 Watts CW	-	-	1
Model 50W1000D-RN-RN-NE-R-U, Amplifier, 80–1000 MHz, 50 Watts CW	1	1	1
Model 60S1G6M3, Amplifier, 0.7–6 GHz, 60 Watts CW	1	1	1
Model 40S6G18BM5, Amplifier, 6–18 GHz, 40 Watts CW	1	1	1
Model DC2035A, Dual Directional Coupler, 10kHz-250MHz, 3500W	-	-	1
Model DC7205A, Dual Directional Coupler, 0.7–6 GHz, 250W	1	1	1
Model DC3001A, Dual Directional Coupler, 80MHz–1000 MHz, 100W	1	1	1
Model DC7435, Dual Directional Coupler, 6–18 GHz, 200W	1	1	1
Model SC1000M1, System Controller, DC–18 GHz	1	1	1
Power Meter, 2 Channel, (Keysight E4417A, -003, -005, -908)	1	1	1
Power Sensor, 50 MHz- 18 GHz, -65 to +20dBm, 300 kHz BW, Peak and Average (Keysight E9325A)	2	2	2
Model PM2003, Power Meter, 3 Channel	-	-	1
Model PH2000A, Power Sensor, 10kHz-8GHz, -60dBm to +20dBm	-	-	2
Model MP18001B Monitor Package including FM7004A, Field Monitor and Model FL7218/Kit, Field Probe Kit, 2 MHz-18 GHz, 2-1000V/m	1	1	1
Model FL7030/Kit M1, Field probe, 5kHz-30MHz, 1.5-300V/m	-	-	1
Model PS2000A, Probe Stand	1	1	1
Signal generator, 9kHz-20 GHz (Keysight N5173B-520 with options: -1E1, -1EM, -UK6, -UNT, -UNW, and 1CM01A or equivalent)	1	1	1
Spectrum Analyzer, 9kHz-26.5GHz (Keysight N9000-526 with options: -UK6, and -1CM or equivalent)	1	User Supplied	User Supplied
Control rack, 19" panel width, 61.25" panel height, to house rack-mounted equipment, internal AC power distribution, emergency power off (EPO) switch, and all internal interconnect cables	1	1	1
Model ATP10K100MM2, Parallel Transmission line, 10kHz-100MHz, 3000W CW	-	-	1
Model ATL80M1GM1, Log Periodic Antenna, 80MHz-1GHz, 5000W CW	-	-	1
Log Periodic Antenna, 30 MHz-2 GHz, 1000W CW (SunAR JB1)	2	2	2

Equipment list	AS18071	AS18071M1	AS18071M2
Model ATH1G18, Horn Antenna, 1-18 GHz, 300W CW	2	2	2
Model TP1000B, Non-metallic Tripod	2	2	3
Model UG-30D/U, Bulkhead Feed-through, Type N female	2	2	2
Model BF7160, Bulkhead Feed-through, 7/16DIN female	-	-	1
Model LA100, Attenuator, 40dB, DC-18GHz, 100W CW	1	1	1
Model CC11111050, Low Loss Coaxial cable, N male connectors, 5m	4	4	4
Model CC11111020, Low Loss Coaxial cable, N male connectors, 2m	4	4	4
Model CC41313050, Low Loss Coaxial cable, 7/16DIN male connectors, 5m	-	-	1
Model CC41313020, Low Loss Coaxial cable, 7/16DIN male connectors, 2m	-	-	1

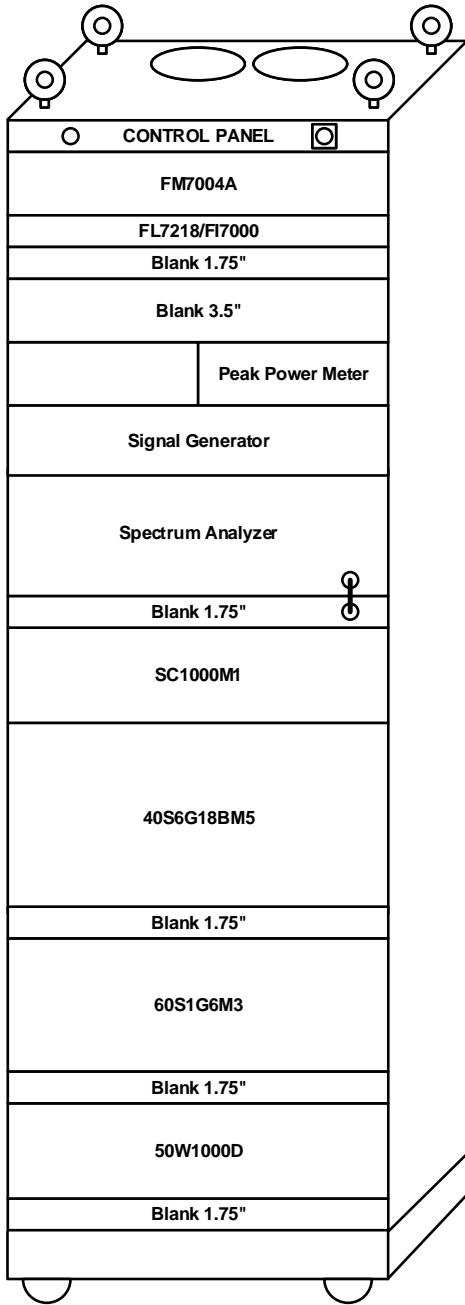
AS18071 Equipment Set-up (Reverberation Chamber)



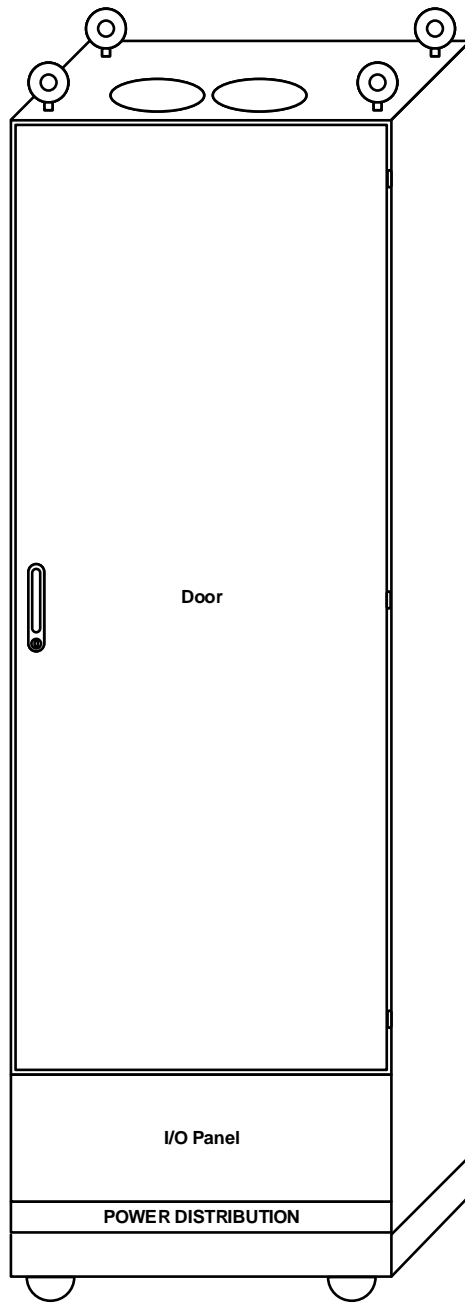
AS18071M2 Equipment Set-up (Semi-Anechoic Chamber)



AS18071, M1 Control Equipment Rack



Front



Rear

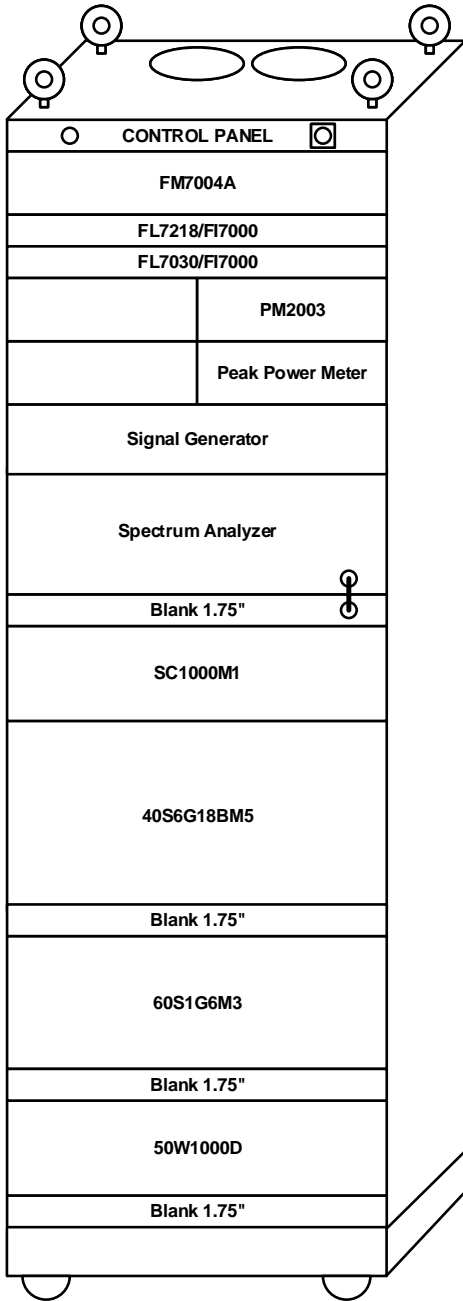
Control Rack Specifications:

Size (H x W x D) 150.5 x 56.0 x 82.3 cm (59.25 x 22.1 x 32.4 in)

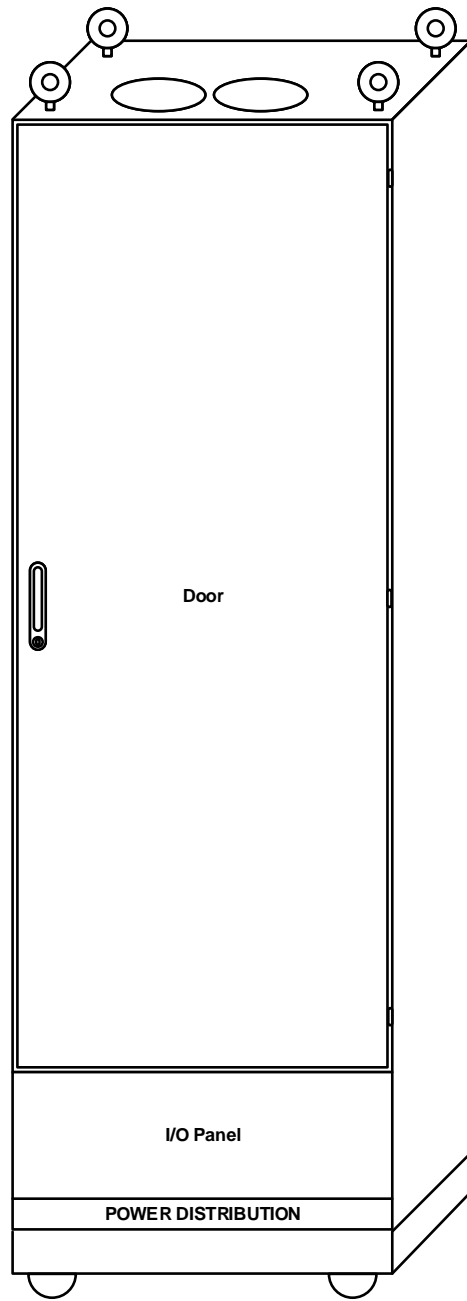
Weight 168.2 kg (370 lb)

Power Input 240VAC, 1-phase, 30 Amps

AS18071M2 Control Equipment Rack



Front



Rear

Control Rack Specifications:

Size (H x W x D) 150.5 x 56.0 x 82.3 cm (59.25 x 22.1 x 32.4 in)

Weight 172.7 kg (380 lb)

Power Input 240VAC, 1-phase, 30 Amps