

Model AS03001
AR System
0.8GHz-3GHz

The AS03001 AR System has been specially designed to house a ventilated, EMI shielded equipment rack, the AR Worldwide equipment listed below. Please refer to individual product specification sheets for details. Input power will be filtered and distributed internally. A fiber-optically isolated GPIB interface is also provided. The RF output connection will be through a type N bulkhead connector located in the top of the rack. An additional RF input connection will be supplied through a type N bulkhead connector located near the base of the rack. A frequency-matched and dedicated antenna and 10ft (3m) of connecting RF cable is also provided for user installation.

Model AS03001 Equipment list:

- Model 240S1G3A, .8 – 3 GHz, 240 watts CW
- Model IF7000 Fiber/Optic/RS-232 Interface
- Model PM2002 Power Meter with (2) Model PH2005 Power Heads
- Model DC7144A Dual Directional Coupler, 0.8-4.2 GHz, 400 Watt
- Model AT4510 High Gain Horn Antenna, 1-4.2 GHz, 1500 Watts
- All internal Interconnect cables between system components
- 5.25in (31.1cm) rack space available for user installed equipment (Blank panels installed)
3.5 in (8.89 cm) reserved and wired for user supplied signal generator (Blank panels installed)
- 10ft (3m) RF coaxial cable terminated in "N" male connectors both ends
- National Instruments GPIB-Fiber/Optic extender set with cables and ST bulkhead penetrations into rack

EMI/RFI Shielded, Ventilated, Rack Specifications:

Size (H x W x D) 150.52x56.03x97.54 cm (59.26x22.06x38.4 in)
Weight 218.18kg (480lb)
Power Input 230/400VAC, 3-phase, 20Amps;
-Terminated in Single IEC60309 (CEE17), 32A, pin and sleeve inlet connector