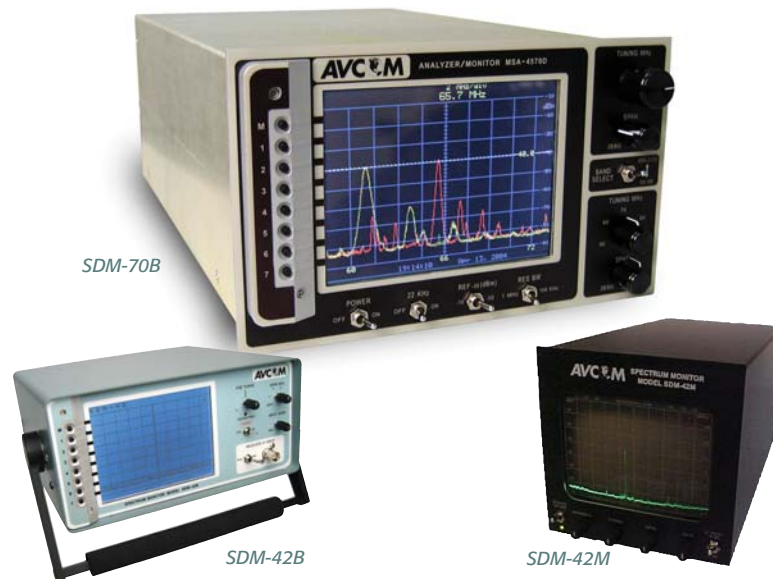


Spectrum Display Monitors



- ✓ Variety of Models to Fit Your Specific Monitoring Application
- ✓ Single and Dual IF Inputs Available
- ✓ Ethernet IP Remote Control (SDM-70 Option Only)

IF Monitors To Suit Any Application!

The Avcom SDM series Spectrum Monitors provide a continuous monitor of your IF. Suitable for satellite receivers, satellite upconverters IF's and communications radio IF's to pinpoint activity and to confirm output. Various modules to fit your specific application and frequency coverage from 10.7 MHz to 200 MHz.

SDM-70B

The SDM-70B continuously monitors the entire IF band of 50 to 200 MHz. It features the latest COLOR LCD screen technology as well as dual microprocessor technology to give you maximum features and display resolution possible in an IF Monitor. Convenient function keys enable an easy menu of on-screen options including memory save/recall, peak hold, find/ride peak and center freqs and can store spacecraft footprints in 50 memories for easy recall.

SDM-70B Available Options & Accessories

- RMT-45 Dual Rackmount Tray
- RMT-BP Blank 1/2 Width Rack Panel
- Ethernet IP Protocol Monitoring

SDM-42B

This portable spectrum display monitor features a 5.7" High Contrast 1/4 VGA monochrome LCD display. Equipped with the standard 10.7 MHz IF, the SDM-42B will monitor an IF output from a common communications receiver to pinpoint activity and confirm output. The SDM-42B options include a secondary IF input of either 10.7 MHz, 21 MHz, 42 MHz, or 70 MHz.

SDM-42B Available Options & Accessories

- AVSAC-2 Nylon Carrying Case

SDM-42M

Developed for visibility under a wide range of lighting conditions, the SDM-42M is perfect for any surveillance application requiring the display of the 10.7 MHz IF frequency. This monitor uses a standard 5" CRT with adjustments for intensity, tuning, span and gain. The SDM-42M options include a secondary IF input of either 10.7 MHz, 21 MHz, 42 MHz, or 70 MHz.

SDM Series Monitors

Technical Specifications

SDM-70B

Frequency Coverage:	50 to 200 MHz Continuous
Span:	0 to 200 MHz
Resolution Bandwidth:	3 MHz and 100 kHz
RF Sensitivity:	Greater than -85 dBm
Reference Levels:	-10, -30, -50 dBm
Scale:	5 dB/Division
Input Connection:	BNC, 50 Ohm
Power Requirement:	85-265 VAC, 50/60 Hz
Display:	5.7" 320x240 High Contrast COLOR LCD

SDM-42B

Frequency Coverage:	10.7 MHz Standard Primary Input 10.7MHz, 21 MHz, 42 MHz, 70 MHz Optional 2nd Input
Span:	0 to 8 MHz Adjustable
Resolution Bandwidth:	10 kHz
Scale:	10 dB/Division
Amplitude Accuracy:	± 2 dB Typical
Dynamic Range:	70 dB
Input Connectors:	BNC, 50 Ohm, for IF-1 and IF-2
Size/Weight:	9.5" W x 4.5" H x 9.5" D, 5 Lbs
Power Requirement:	85-265VAC, 50/60 Hz
Display:	5.7" High Contrast 1/4 VGA Monochrome LCD

SDM-42M

Frequency Coverage:	10.7 MHz Standard Primary Input 10.7MHz, 21 MHz, 42 MHz, 70 MHz Optional 2nd Input
Span:	0 to 4 MHz Adjustable
Resolution Bandwidth:	10 kHz
Scale:	10 dB/Division
Amplitude Accuracy:	± 2 dB Typical
Dynamic Range:	70 dB
Input Connectors:	BNC, 50 Ohm, for IF-1 and IF-2
Size/Weight:	5" W x 5" H x 10" D, 5 Lbs
Power Requirement:	15VDC
Display:	5" High Visibility CRT

Specifications subject change
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SDMRevB

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