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**Data Sheet**

August 14, 2026

IFR/MARCONI

# Marconi A7550 Spectrum Analyzer

IFR Marconi A7550 Portable Spectrum Analyzer The IFR/Marconi A7550 is a microprocessor-controlled portable superheterodyne spectrum analyzer covering about 10 kHz to 1 GHz with synthesized RF and a digitized Vertical Raster Scan CRT display. Measurement range spans roughly minus 120 dBm to +30 dBm with 70 dB on-screen dynamic range. Field and bench RF spectrum monitoring to 1 GHz, transmitter spur checks, and portable EMI/precompliance style surveys in the VHF/UHF range. Fully synthesized RF with direct center frequency entry The IFR/Marconi A7550 is a microprocessor-controlled portable superheterodyne spectrum analyzer covering about 10 kHz to 1 GHz with synthesized RF and a digitized Vertical Raster Scan CRT display. Measurement range spans roughly minus 120 dBm to +30 dBm with 70 dB on-screen dynamic range. Field and bench RF spectrum monitoring to 1 GHz, transmitter spur checks, and portable EMI/precompliance style surveys in the VHF/UHF range. Fully synthesized RF with direct center frequency entry Menu driven modes with auto optimization and amplitude calibration



MODEL

**IFR/Marconi A7550**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**A7550**

LISTING

<https://aumictechlabs.com/products/a7550-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The IFR/Marconi A7550 Network Analyzer is a versatile instrument for analyzing the performance of network components and systems. It features a broad frequency range, allowing for comprehensive testing of various devices. With its high dynamic range, it can accurately measure

both small and large signals. The A7550 also offers fast measurement speeds, reducing testing time and increasing efficiency. It is an ideal solution for engineers and technicians in various industries.

## A7550 Characteristics / Specifications

| PARAMETER                       | VALUE                                                    |
|---------------------------------|----------------------------------------------------------|
| Frequency Range                 | 10 kHz to 1.0 GHz                                        |
| Full Scan Range Class           | 0 Hz to 1 GHz                                            |
| Center Frequency Step Class     | 100 Hz                                                   |
| Resolution Bandwidth Min        | 300 Hz                                                   |
| Resolution Bandwidth Max        | 3 MHz                                                    |
| Dynamic Range On Screen         | 70 dB                                                    |
| Measurement Range               | minus 120 dBm to +30 dBm                                 |
| Input Impedance Standard        | 50 Ohm                                                   |
| Residual FM Class               | less than 100 Hz peak to peak at spans below 200 kHz/div |
| Display Method                  | Digitized Vertical Raster Scan CRT                       |
| Display Points Horizontal Class | 390                                                      |
| Display Points Vertical Class   | 480                                                      |
| Amplitude Units                 | dBm dBuV dBV dBmV dBuV                                   |
| Trace Memory                    | Store recall compare plot                                |
| Form Factor                     | Portable spectrum analyzer                               |
| Tuning                          | Direct numeric center frequency entry                    |
| Calibration                     | Automatic amplitude calibration                          |
| Optimization                    | Automatic                                                |
| Display Modes                   | Linear and log                                           |
| Top Scale Reference             | Variable                                                 |
| Zero Hertz Marker Behavior      | Fixed at left edge                                       |
| Maximum Input Level Class       | +30 dBm                                                  |
| Keyboard Entry                  | All operating parameters                                 |
| Bandwidth                       | Min: 300 Hz                                              |

# A7550 Specifications

| PARAMETER                                               | VALUE                                                                                                               |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| IFR Marconi A7550 Portable Spectrum Analyzer            | Overview                                                                                                            |
| Fully synthesized RF with direct center frequency entry | Resolution bandwidths 300 Hz to 3 MHz                                                                               |
| Technical Specifications                                | Frequency Range: 10 kHz to 1.0 GHz                                                                                  |
| Notes                                                   | Specs from IFR A-7550 operation manual. Duplicate slug ifr-a7550 for queue matching; content matches marconi-a7550. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications                                                                                                      |                                                          |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Specifications                                                                                                      |                                                          |
| PARAMETER                                                                                                           | VALUE                                                    |
| Frequency Range                                                                                                     | 10 kHz to 1.0 GHz                                        |
| Full Scan Range Class                                                                                               | 0 Hz to 1 GHz                                            |
| Center Frequency Step Class                                                                                         | 100 Hz                                                   |
| Resolution Bandwidth Min                                                                                            | 300 Hz                                                   |
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| Dynamic Range On Screen                                                                                             | 70 dB                                                    |
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| Input Impedance Standard                                                                                            | 50 Ohm                                                   |
| Residual FM Class                                                                                                   | less than 100 Hz peak to peak at spans below 200 kHz/div |
| Display Method                                                                                                      | Digitized Vertical Raster Scan CRT                       |
| Display Points Horizontal Class                                                                                     | 390                                                      |
| Display Points Vertical Class                                                                                       | 480                                                      |
| Amplitude Units                                                                                                     | dBm dBuV dBV dBmV dBuV                                   |
| Trace Memory                                                                                                        | Store recall compare plot                                |
| Form Factor                                                                                                         | Portable spectrum analyzer                               |
| Tuning                                                                                                              | Direct numeric center frequency entry                    |
| Calibration                                                                                                         | Automatic amplitude calibration                          |
| Optimization                                                                                                        | Automatic                                                |
| Display Modes                                                                                                       | Linear and log                                           |
| Top Scale Reference                                                                                                 | Variable                                                 |
| Zero Hertz Marker Behavior                                                                                          | Fixed at left edge                                       |
| Maximum Input Level Class                                                                                           | +30 dBm                                                  |
| Keyboard Entry                                                                                                      | All operating parameters                                 |
| Notes                                                                                                               |                                                          |
| Specs from IFR A-7550 operation manual. Duplicate slug ifr-a7550 for queue matching; content matches marconi-a7550. |                                                          |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.