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Data Sheet
August 14, 2026

IFR/MARCONI

Marconi 2390A Spectrum Analyzer 22GHz

Marconi IFR Aeroflex 2390A Spectrum Analyzer 9 kHz to 22 GHz The Marconi/IFR/Aeroflex 2390A extends the 2390A series to 22 GHz with fundamental mixing to 12 GHz and two harmonic sweeps to maximum frequency. Shared OEM specifications include RBW 3 Hz to 30 MHz, +30 to -135 dBm measurement range class, residual FM and phase-noise tables by band, and optional tracking generator to 2.9 GHz. Microwave radio-link installation and maintenance, wideband spur and harmonic searches to 22 GHz, pulsed and digitally modulated carrier characterization with 10/30 MHz RBW, and field portable spectrum monitoring. The Marconi/IFR/Aeroflex 2390A extends the 2390A series to 22 GHz with fundamental mixing to 12 GHz and two harmonic sweeps to maximum frequency. Shared OEM specifications include RBW 3 Hz to 30 MHz, +30 to -135 dBm measurement range class, residual FM and phase-noise tables by band, and optional tracking generator to 2.9 GHz. Microwave radio-link installation and maintenance, wideband spur and harmonic searches to 22 GHz, pulsed and digitally modulated carrier characterization with 10/30 MHz RBW, and field portable spectrum monitoring.

MODEL **IFR/Marconi 2390A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **2390A**	LISTING **https://aumictechlabs.com/products/2390a-2/**

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NAICS 423690 · 811210 · 541380

This unit

The IFR/Marconi 2390A Spectrum Analyzer is a solid instrument designed for accurate signal analysis in various RF environments. Its key features include a wide frequency range, allowing for

comprehensive signal coverage, and high sensitivity for detecting even weak signals. The analyzer offers multiple measurement functions such as signal power, frequency, and modulation analysis. With its user-friendly interface and reliable performance, the 2390A is an ideal tool for engineers and technicians involved in RF testing, maintenance, and development.

2390A Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	9 kHz to 22 GHz
Internal Mixing Band	11.5 GHz to 26.5 GHz class (instrument to 22 GHz)
Frequency Span Range	10 Hz/div to 2.2 GHz/div plus zero span
Span Accuracy	±5% of indicated span
Frequency Counter Resolutions	1 Hz, 10 Hz, 100 Hz, 1 kHz
Frequency Standard Temperature Stability	±0.2 ppm (0 C to 50 C)
Residual FM Below 6 GHz	less than 10 Hz p-p in 20 ms
Residual FM 6 GHz to 12 GHz	less than 20 Hz p-p in 20 ms
Residual FM 12 GHz to 26.5 GHz	less than 40 Hz p-p in 20 ms
Noise Sidebands 12 to 26.5 GHz at 10 kHz Offset	-81 dBc/Hz
Displayed Average Noise 100 kHz to 2.9 GHz 3 Hz RBW	less than -135 dBm
Displayed Average Noise 2.9 GHz to 12 GHz 3 Hz RBW	less than -130 dBm
Displayed Average Noise 12 GHz to 26.5 GHz 3 Hz RBW	less than -125 dBm
Maximum Input Level CW	+20 dBm; +30 dBm CW with greater than 0 dB attenuation
Gain Compression	less than 1.0 dB with -5 dBm at 0 dB attenuation
Resolution Bandwidth Filters	3 Hz to 30 MHz class including 10 MHz and 30 MHz
Zero Span Minimum Sweep	200 ns/div
Intermodulation Free Dynamic Range Class	greater than 80 dBc
Tracking Generator Optional Frequency	100 kHz to 2.9 GHz
Tracking Generator Optional Level	-70 dBm to 0 dBm
External Mixing	3 GHz to 300 GHz
Interfaces	RS-232 and IEEE-488 GPIB

PARAMETER	VALUE
Display	7 in TFT color
Bandwidth	Filters: 3 Hz to 30 MHz class including 10 MHz and 30 MHz
Attenuation	Gain Compression: less than 1.0 dB with -5 dBm at 0 dB attenuation

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 include RBW 3 Hz to 30 MHz, +30 to -135 dBm measurement range class, residual FM and phase-noise tables by band, and optional tracking generator to 2.9 GHz.

Applications
Microwave radio-link installation and maintenance, wideband spur and harmonic searches to 22 GHz, pulsed and digitally modulated carrier characterization with 10/30 MHz RBW, and field portable spectrum monitoring.

Key Features
Frequency coverage 9 kHz to 22 GHz inaportable synthesized analyzer
Fundamental mixing to 12 GHz for sensitivity at microwave
30 MHz resolution bandwidth and 200 ns/div zero-span for pulsed signals
AM/FM receiver modes plus optional EMC quasi-peak detector
GPIB and RS-232 with 99 trace/setup memories

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Frequency Range	9 kHz to 22 GHz
Internal Mixing Band 0	0 Hz to 2.9 GHz
Internal Mixing Band 1	2.6 GHz to 12.0 GHz
Internal Mixing Band 2	11.5 GHz to 26.5 GHz class (instrument to 22 GHz)
Frequency Span Range	10 Hz/div to 2.2 GHz/div plus zero span
Span Accuracy	±5% of indicated span
Frequency Counter Resolutions	1 Hz, 10 Hz, 100 Hz, 1 kHz
Frequency Standard Temperature Stability	±0.2 ppm (0 C to 50 C)
Residual FM Below 6 GHz	less than 10 Hz p-p in 20 ms
Residual FM 6 GHz to 12 GHz	less than 20 Hz p-p in 20 ms
Residual FM 12 GHz to 26.5 GHz	less than 40 Hz p-p in 20 ms

Noise Sidebands 12 to 26.5 GHz at 10 kHz Offset: -81 dBc/Hz
Displayed Average Noise 100 kHz to 2.9 GHz 3 Hz RBW: less than -135 dBm
Displayed Average Noise 2.9 GHz to 12 GHz 3 Hz RBW: less than -130 dBm
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Specifications

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Maximum Input Level CW	+20 dBm; +30 dBm CW with greater than 0 dB attenuation
Gain Compression	less than 1.0 dB with -5 dBm at 0 dB attenuation
Resolution Bandwidth Filters	3 Hz to 30 MHz class including 10 MHz and 30 MHz

PARAMETER	VALUE
Zero Span Minimum Sweep	200 ns/div
Intermodulation Free Dynamic Range Class	greater than 80 dBc
Tracking Generator Optional Frequency	100 kHz to 2.9 GHz
Tracking Generator Optional Level	-70 dBm to 0 dBm
External Mixing	3 GHz to 300 GHz
Interfaces	RS-232 and IEEE-488 GPIB
Display	7 in TFT color

Notes
Series specifications from IFR/Marconi/Aeroflex 2390A series datasheet. Upper frequency for this model is 22 GHz; 2393A extends to 26.5 GHz. Confirm options (tracking generator, EMC, high-stability reference) on the unit.

Available from Aumictech

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

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

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