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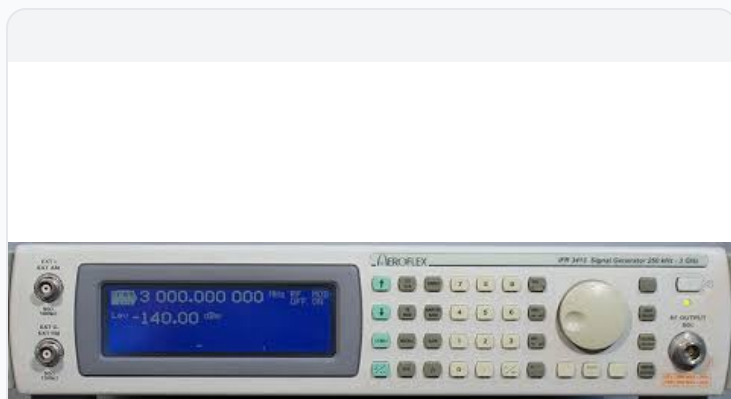
Data Sheet

August 14, 2026

IFR/MARCONI

Marconi 3413 RF Signal Generator

IFR Aeroflex Marconi 3413 Digital RF Signal Generator 3 GHz The IFR/Aeroflex 3413 is a 3410-series portable digital RF signal generator covering 250 kHz to 3 GHz with 1 Hz resolution. Electronic attenuator builds provide minus 140 dBm to +16 dBm class levels with vector and analog modulation for wireless ATE. Wireless component and receiver test to 3 GHz, high-speed ATE with fast GPIB/Ethernet, and vector-modulated amplifier linearity and selectivity measurements. Electronic attenuator for fast level cycling The IFR/Aeroflex 3413 is a 3410-series portable digital RF signal generator covering 250 kHz to 3 GHz with 1 Hz resolution. Electronic attenuator builds provide minus 140 dBm to +16 dBm class levels with vector and analog modulation for wireless ATE. Wireless component and receiver test to 3 GHz, high-speed ATE with fast GPIB/Ethernet, and vector-modulated amplifier linearity and selectivity measurements. Electronic attenuator for fast level cycling RF modes Auto Low Noise Low ACP Higher Power



MODEL

IFR/Marconi 3413

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3413

LISTING

<https://aumictechlabs.com/products/3413-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The IFR/Marconi 3413 is a wideband RF power meter designed for accurate measurement of RF power levels in various applications. It features a broad frequency range and supports different

power sensors for versatile measurement capabilities. Ideal for testing and maintaining communication systems, radar equipment, and other RF-based devices.

3413 Characteristics / Specifications

PARAMETER	VALUE
Carrier Frequency Range	250 kHz to 3 GHz
Carrier Frequency Resolution	1 Hz
Carrier Phase Step	0.036 degrees
RF Level Electronic Attenuator to 2 GHz	minus 140 to +16 dBm
RF Level Electronic Attenuator to 3 GHz	minus 140 to +16 dBm
RF Level Electronic Attenuator to 10 MHz	minus 140 to +13 dBm
RF Level Resolution	0.01 dB
Frequency Setting Time Typical Optimized	about 2 to 4 ms
List Mode Setting Time Option 010 Typical	about 500 us
Residual FM Typical at 1 GHz	about 1.5 Hz
Floor Noise Typical	better than minus 148 dBc/Hz
Vector Modulation Bandwidth Typical	up to 55 MHz
AM Bandwidth Typical	to 30 MHz
FM Bandwidth Typical	to 20 MHz
Modulation Oscillator Range	0.1 Hz to 50 kHz
Remote Interfaces	GPIB RS-232 Ethernet
Reference	High stability OCXO standard
Panel Height	2U
Form Factor	Portable full rack width lightweight
Single Ended IQ Outputs	standard
Differential IQ Outputs	Option 009
Pulse Modulation	Option 006
ARB Option	Option 005 dual channel
Bandwidth	Typical: up to 55 MHz

3413 Specifications

PARAMETER	VALUE
Electronic attenuator for fast level cycling	RF modes Auto Low Noise Low ACP Higher Power
Technical Specifications	Carrier Frequency Range: 250 kHz to 3 GHz
Notes	Specs from Aeroflex/IFR 3410 Series datasheet for 3413. Duplicate slug ifr-3413 for queue matching.

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	
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Carrier Frequency Range	250 kHz to 3 GHz
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FM Bandwidth Typical	to 20 MHz
Modulation Oscillator Range	0.1 Hz to 50 kHz
Remote Interfaces	GPIO RS-232 Ethernet
Reference	High stability OCXO standard
Panel Height	2U
Form Factor	Portable full rack width lightweight
Single Ended IQ Outputs	standard
Differential IQ Outputs	Option 009
Pulse Modulation	Option 006
ARB Option	Option 005 dual channel
Notes	
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Ordering Information

OPTION	DESCRIPTION
Option 010	Typical: about 500 us
Option 009	Pulse Modulation: Option 006
Option 005	dual channel

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

Aumictech

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30-day returns
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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.