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Data Sheet

August 14, 2026

IFR/MARCONI

Marconi 2032A Signal Generator Surecal Procedure

Marconi IFR 2032A Synthesized Signal Generator The Marconi/IFR 2032A is a 2030-series synthesized signal generator variant aligned with the 2032 10 kHz to 5.4 GHz carrier family. OEM 2030-series sheets rate 0.1 Hz resolution and RF levels from minus 144 dBm to +13 dBm with multi-mode modulation. Microwave receiver stimulus to 5.4 GHz class, ATE with GPIB, and laboratory RF generation with AM/FM/phase and optional pulse. Extended microwave carrier coverage of the 2032 family The Marconi/IFR 2032A is a 2030-series synthesized signal generator variant aligned with the 2032 10 kHz to 5.4 GHz carrier family. OEM 2030-series sheets rate 0.1 Hz resolution and RF levels from minus 144 dBm to +13 dBm with multi-mode modulation. Microwave receiver stimulus to 5.4 GHz class, ATE with GPIB, and laboratory RF generation with AM/FM/phase and optional pulse. Extended microwave carrier coverage of the 2032 family Carrier Frequency Range Class: 10 kHz to 5.4 GHz



MODEL

IFR/Marconi 2032A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2032A

LISTING

<https://aumictechlabs.com/products/2032a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

This Surecal procedure offers a structured approach to calibrating the IFR/Marconi 2032A, ensuring that all measurements are within specified tolerances. Regular use of this procedure helps in identifying and correcting any deviations, thereby prolonging the life and accuracy of the instrument.

2032A Characteristics / Specifications

PARAMETER	VALUE
Carrier Frequency Range Class	10 kHz to 5.4 GHz
Carrier Frequency Resolution	0.1 Hz
Carrier Frequency Accuracy	as frequency standard
RF Output Level Range	minus 144 dBm to +13 dBm
RF Level Resolution	0.1 dB
RF Level Accuracy Above 0 dBm to 5.4 GHz	plus or minus 1 dB at 22 C plus or minus 5 C
RF Level Accuracy Above minus 50 dBm to 5.4 GHz	plus or minus 1.5 dB
VSWR Below 0 dBm to 5.4 GHz	less than 1.5:1
Output Protection Reverse Power	50 W from source VSWR up to 5:1
Harmonics to 1 GHz Class	better than minus 30 dBc at levels up to +7 dBm
Harmonics to 1.35 GHz Class	better than minus 27 dBc
Harmonics Above 1.35 GHz Class	better than minus 25 dBc
Subharmonics to 5.4 GHz	better than minus 30 dBc
Nonharmonics Offset 3 kHz or Greater	better than minus 70 dBc
Residual FM FM Off at 470 MHz	less than 7 Hz rms (300 Hz to 3.4 kHz BW)
SSB Phase Noise at 470 MHz 20 kHz Offset	less than minus 116 dBc/Hz
FM Peak Deviation Below 21.09375 MHz	0 to 1 MHz
FM Bandwidth DC Coupled	DC to 300 kHz (1 dB)
Operating Temperature	0 to 55 C
Size HxWxD	152 mm x 425 mm x 525 mm
Net Weight	16.5 kg (36 lb)
GPIB	IEEE-488.2 standard
Phase Increment Step	1.5 degrees
Bandwidth	DC Coupled: DC to 300 kHz (1 dB)

2032A Specifications

PARAMETER	VALUE
Marconi IFR 2032A Synthesized Signal Generator	Overview
Applications	Microwave receiver stimulus to 5.4 GHz class, ATE with GPIB, and laboratory RF generation with AM/FM/phase and optional pulse.
Key Features	Extended microwave carrier coverage of the 2032 family
Dual and composite modulation modes	GPIB IEEE-488.2
Technical Specifications	Carrier Frequency Range Class: 10 kHz to 5.4 GHz
Notes	Numeric RF rows from Marconi/IFR 2030 series data sheet for 2032; 2032A treated as the same carrier family.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
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Size HxWxD	152 mm x 425 mm x 525 mm
Net Weight	16.5 kg (36 lb)
GPIB	IEEE-488.2 standard
Phase Increment Step	1.5 degrees Notes Numeric RF rows from Marconi/IFR 2030 series data sheet for 2032; 2032A treated as the same carrier family.

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
Carrier Frequency Range Class	10 kHz to 5.4 GHz
Carrier Frequency Resolution	0.1 Hz
Carrier Frequency Accuracy	as frequency standard
RF Output Level Range	minus 144 dBm to +13 dBm
RF Level Resolution	0.1 dB
RF Level Accuracy Above 0 dBm to 5.4 GHz: plus or minus 1 dB at 22 C plus or minus 5 C	
RF Level Accuracy Above minus 50 dBm to 5.4 GHz: plus or minus 1.5 dB	
Specifications	
PARAMETER	VALUE
VSWR Below 0 dBm to 5.4 GHz	less than 1.5:1
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SSB Phase Noise at 470 MHz 20 kHz Offset: less than minus 116 dBc/Hz	
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PARAMETER	VALUE
GPIB	IEEE-488.2 standard
Phase Increment Step	1.5 degrees

Notes
Numeric RF rows from Marconi/IFR 2030 series data sheet for 2032; 2032A treated as the same carrier family.

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