TSG4100A Series

30–SECOND SELL

"The TSG4100A is a CW RF generator complementary to the Mixed Domain Oscilloscopes, the RSA306 and other spectrum analyzers. It provides a complete mid-range RF solution with superior performance."

PRODUCT HIGHLIGHTS

- True DC to 2/4/6 GHz
- ≤±0.30 dB (typ) amplitude accuracy from 10 MHz to 6 GHz
- Phase Noise: -113 dBc/Hz @ 20kHz offset from 0 dBm, 1 GHz CW carrier
- Soft key upgrade to vector/digital modulation at very low cost, supporting 10 widely used formats
- USB, GPIB, RS-232, and LAN interfaces
- I/Q modulation inputs (max 400 MHz RF bandwidth)
- Supports NI LabVIEW programming

A versatile RF solution for the generation, receiving and analysis of both analog and vector signals at budget point.

Good performance and flexible configurations for debug and troubleshooting.

MODEL	STOCK CODE	DESCRIPTION	PHASE NOISE (20KHZ OFFSET FROM 0 DBM, 1 GHZ CW CARRIER)	AMPLITUDE RANGE	MODULATION FORMATS
TSG4102A	2468190	0 to 2 GHz RF SG, basic model	-113 dBc/Hz	+16.5 to -110 dBm	AM/FM/PM/Pulse; ASK/FSK/PSK/ QAM/CPM/MSK/VSB; GSM/EDGE/ TETRA/NADC/ W-CDMA/P-25/DECT, etc. All the vector/digital modulation formats upgrade by soft keys
TSG4104A	2468193	0 to 4 GHz RF SG, basic model	-113 dBc/Hz	+16.5 to -110 dBm	
TSG4106A	2468195	0 to 6 GHz RF SG, basic model	-113 dBc/Hz	+16.5 to -110 dBm (< 4 GHz) +10 to -110 dBm (> 4 GHz)	

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RECOMMENDED ACCESSORIES

TSG4100A-ATT	30 dB, 5 W RF attenuator up to 6 GHz	NIC
Option VM00	Basic vector modulation package with internal 6 MHz modulation bandwidth	NIC
Option EIQ	External 200 MHz modulation bandwidth (requires Option VM00)	NIC

SHIPS WITH PRODUCT

- RF Cable
- Documentation CD
- Installation and Safety Instructions
- Calibration Certificate
- Power Cord

ANOTHER PRODUCT FOR CONSIDERATION

Tektronix Power Sensor Meter products, **RSA306B, MDO3000 and MDO4000C Series**.

See pages 52, 14, 18

TOOLS FOR THE CUSTOMER

Data Sheet

FOR MORE INFO VISIT
TEK.COM/RF-VECTOR-SIGNAL-GENERATOR

3 Reasons to Buy this Product

1. Mid-range RF signal generator for most widely used analog applications at low-end RF signal generator price point.
2. Can be upgraded by a software key in the field to generate basic vector modulation and narrow bandwidth digital modulation signals with an extremely low cost.
3. High stability time base (aging rate <±0.05 ppm per year).