

Analyzer & Signal Generator

2 Features in 1 Box.
Most suitable for inspection lines.



Oscillator excluded

Oscillator included

MAS-8400

MAS-8400OSC

General

Developed "Radio Analyzer" by adding standard AM/FM signal generator to the ordinary Audio Analyzer intended for inspecting such as AM/FM tuner, Radio, Car navigation system and Display Audio so on.

While succeeding same measurement accuracy and command of MSG-2280 and MAK-6630, it is designed in compact and light weight and enabled much faster inspection speed.

Features

- Any combination of Analyzer, Signal Generator and Audio Oscillator possible
- Light weight, compact and low consumption
- Accurate signals
- Straightforward operation

MAS-8400/MAS-8400OSC

Measuring section		
DC Voltage	No. of channel	1 ch
	Input impedance	> 1Mohm
	Input range	316mVFS to 100VFS, 4 ranges (AUTO/MANU)
	Accuracy	+/-0.5% of full scale
	Measurement resolution	0.1 % of full scale
AC Voltage	No. of channel	2 switchable channels
	Input type	Balanced, Unbalanced switchable
	Input impedance	>100Kohm
	Input range	316mV (-10dBV) to 100.0V (40dBV) , 6 ranges(AUTO/MANU)
Level	Response	True RMS
	Effective measuring range	0.0316mVrms to 100.0Vrms
	Accuracy	Within +/-0.4 dBV : 40 dBV to -70 dBV(at 1 kHz)
	Measurement resolution	0.1 % of full scale
	Frequency bandwidth	40dBV to -70dBV Within +/-0.8dBV (10Hz to 110kHz), Ref: 1kHz(Excluding 20Hz to 80kHz) Within +/-0.4dBV(20Hz to 80kHz), Ref: 1kHz
Distortion	Freq range	10Hz to 110kHz
	Accuracy	≤ +/-1 dB 20 Hz to 20 kHz Second harmonic deviations ≤ +/-3dB 10 Hz ~ 110 kHz
	Measurement resolution	0.1 % of full scale
	Measurement mode	THD & THD+N
	Residual distortion	Typical value at Input range 10dBV, Input level 10dBV < -100dB: 10Hz to 15kHz (80kHzBW) < -90dB: 15.1kHz to 20kHz (80kHzBW) < -80dB: 20.1kHz to 110kHz (500kHzBW)
Filter	Type	HPF/LPF/PRE LPF/PSOPHO
	Aural Compensation (PSOPHO)	IEC-A, CCIR/ARM, DIN-A
Frequency	Range	10Hz to 110kHz
	Resolution, Display	> or 100Hz: 5 digits < 100Hz: 0.01Hz
	Accuracy	+/-5 × 10 ⁻⁵ +/-1digits
	Input range	25mVrms to 100.0Vrms
SG section		
RF output	Output type	DDS
	Freq range	100kHz to 170MHz
	Output level	-20dBuV to 126dBuV(EMF)
	Output impedance	50ohm
	VSWR	Less than 1.3
	Spurious	Harmonics Less than -30dBc
FM modulation	Freq. deviation	0kHz to 135kHz
	Moduration accuracy	10.7Mhz +/- 1MHz 76 to 108MHz +/- (settingx0.1+0.5)kHz 0.3 Mhz to 170 MHz +/- (setting x 0.1+1) kHz
FM stereo modulation	Internal Mod freq	400Hz/1kHz/6.3kHz/10kHz/15kHz
	Mode	MONO/L=R/L/R/L=-R/L&R/OFF
	Moduration depth	0 to 135% (75kHz/100%)
AM modulation	Pilot setting range	0 to15%
	Moduration depth	0 to 100% (30% max > 120dB)
	Internal Mod freq	400Hz/1kHz/6.3kHz/10kHz/15kHz
General		
Interface	HDMI x 1 / LAN (TCP/TP, 10/100BaseT) x 1 / USB-A x 3 / USB-B x 1	
Power requirement	AC100V to 240V, 50/60Hz	
Dimensions/weight	360(W) x 100(H) x 430(D) mm/ Approx 6 kg	

MAS-8400OSC (OSC specifications)

Oscillator section		
OSC	No. of output ch	2
	Output type	Unbalance
	Output impedance	600ohm
	Frequency	10Hz to 110kHz
	Settng accuracy	Within +/-2 %
	Output voltage	+20dBV to -79.9dBV (Open)

Software specification

OS	Microsoft Windows 7 / 10	CD-ROM Drive	Necessary when installing
CPU	Intel, AMD 3 GHz or better	Screen resolution	≥ 1024 x 768
Memory	≥ 4GB	Other	USB driver (Provided by us) .NET Framework Ver.4.5
HDD	≥ 10GB		

● The content of this catalog is generated based on the latest data as of Oct. 2017. ● Please consult us for the latest specification, price and availability of the product prior to ordering. ● All brand names, product names and company name are registered trademarks of their respective companies. ● Information in this document is subject to change without notice.



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