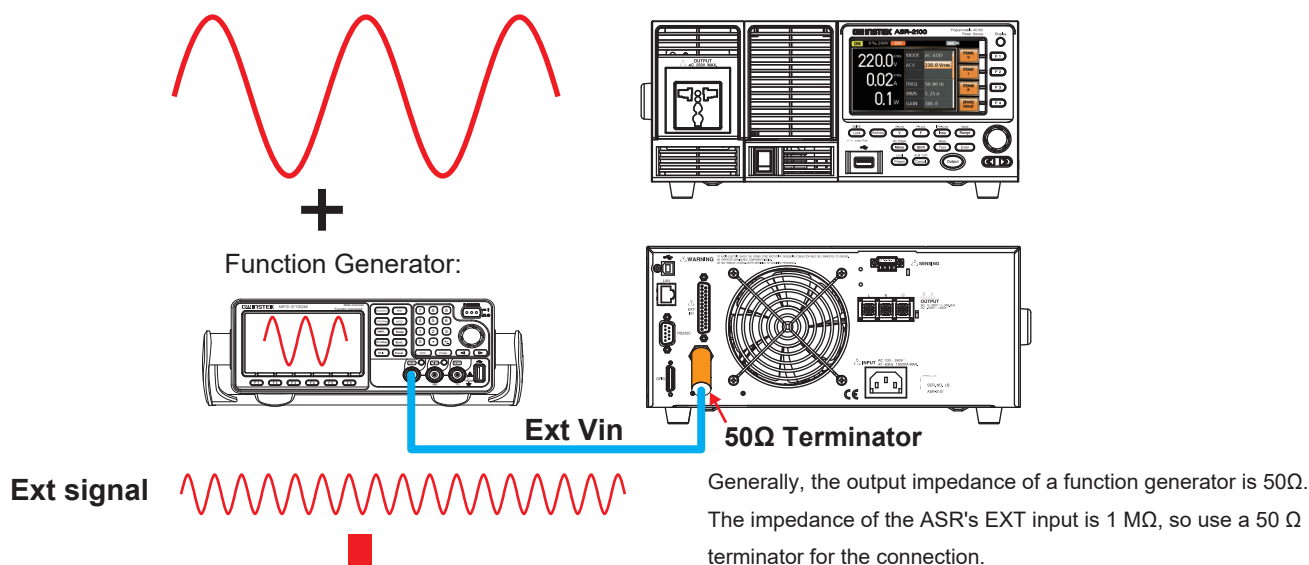


ASR-2000 Series Programmable AC/DC Power Source

Add the External signal to the output of the ASR itself.



ADD mode Output voltage (Vadd) = Ext Vin(V) x Gain (V/V) + ASR Vout



Vadd OUTPUT Voltage range:
100V range: 0.0 V to 175.0 Vrms
200V range: 0.0 V to 350.0 Vrms

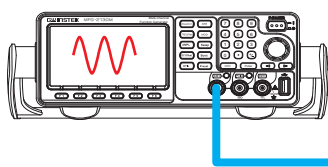
External Signal Input (AC+DC-ADD, AC-ADD)

	Specification
Gain setting range	100 V range: 0.0 to 250.0 times (Factory Default: 100) 200 V range: 0.0 to 500.0 times (Factory Default: 200)
Input terminal	BNC connector (Rear Panel)
Input impedance	1 MΩ
Input voltage range	±2.5 V (A/D resolution 12 bit)
Nondestructive maximum input voltage	±10 V
Input frequency range	DC to 999.9 Hz (sine wave) DC to 100 Hz (other than sine wave)
Gain resolution	0.1 times
Accuracy	±5% (DC, or 45Hz ~ 65 Hz, gain is at initial value, with rate voltage output, no load)"

● AC-ADD example

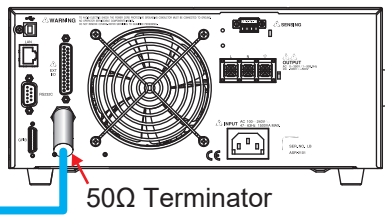
Add the External signal to the output of the ASR itself.

Function Generator:

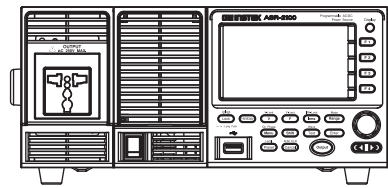


Frequency: 400Hz

Amplitude: 1Vpp (353.5mVrms)



50Ω Terminator



MODE: AC+ADD

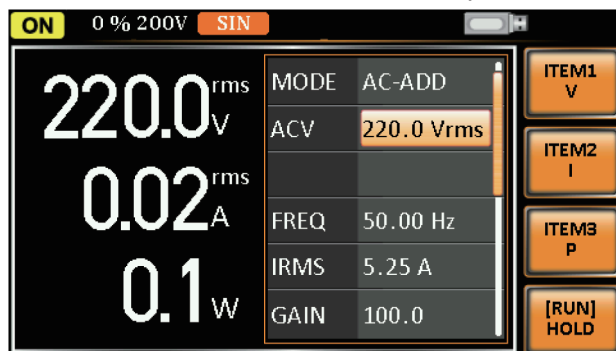
ACV: 220Vrms

Freq: 50Hz

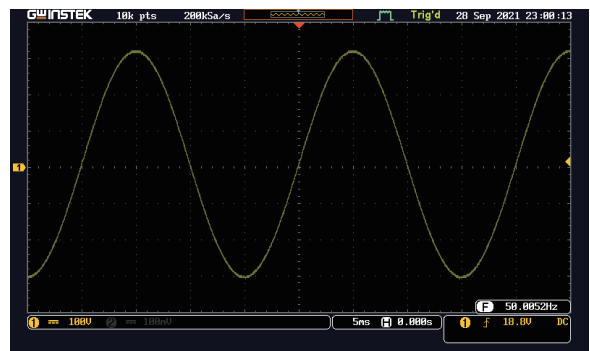
GAIN: 100

ASR:

MODE: AC+ADD, ACV: 220Vrms, Freq: 50Hz, GAIN: 100



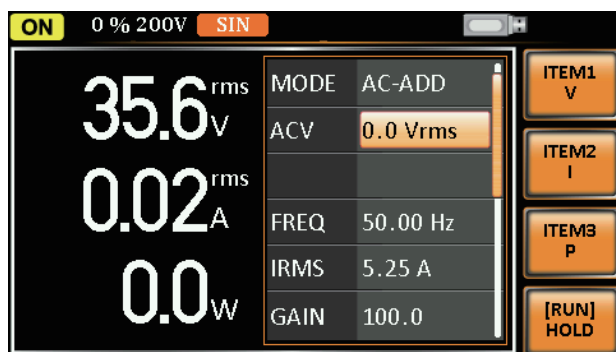
ASR ACV=220V, EXT input=0V



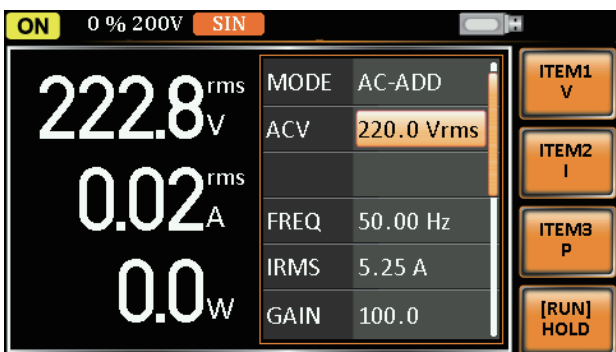
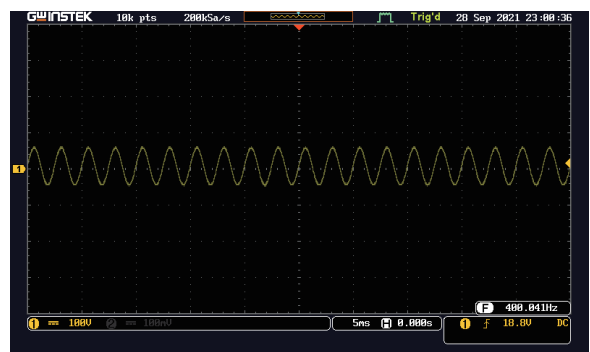
Function Generator: 400Hz, 1Vpp (0.354Vrms)

$1V_{pp} \times GAIN(100) \div 100V_{pp} = 35.4V_{rms}$

ASR: ACV=0V



ASR ACV=0V, EXT input=1Vpp, GAIN=100



ASR OUTPUT Voltage = 222.8Vrms



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