LOUDSPEAKER RUNNING TEST SYSTEM（Current limiting function）
MODEL OT-1018

1. Summary

・This timer is loudspeaker running test (load test) timer system.
・A load test of 8 loudspeakers can be performed for 1 unit. Up to 6 unit (48 loudspeakers) can be added.
・7 type of signal source can be selected for each loudspeaker. (Please prepare the signal source and power amplifier separately.)
・The following items can be set from the control PC.
  Timer display, set time
  Signal ON/OFF setting
  Stop interval time (grace period for discontinuing speaker drive)
  Loudspeaker drive voltage
  Break (voice coil disconnection) upper and lower limit current values
  ※Setting information can be saved and recalled with any name
・The operating status can be confirmed from the control PC.
・BTL output power amplifier can be used.
・The non-contact type ammeter is used, so it does not affect the speaker drive signal.
・There is a function to correct the set voltage for each output channel and the output voltage of the power amplifier to the same value.
・A sine wave oscillator (1kHz 1Vrms sine wave constant output) for voltage adjustment is accessories. (Model OP-1019)

2. Specifications

【Setting / Function part】	
Timer display, setting time	Maximum 9999 hours 59 minutes 59 seconds
Signal ON/OFF setting time	1 to 9999 seconds (1 second step)
Stop interval setting time	1 second to 59 hours 59 seconds (1 second step)
Speaker drive voltage setting	Low impedance mode : 0.0 to 80.0V (0.1V step) High impedance mode : 0.0 to 140.0V (0.2V step) It switches between low and high only when set. With set voltage correction function (Correction range : ±20%)
Break (voice coil disconnection) upper and lower limit current value setting	0.001A to 4.000A(0.01A step) at 4A range 0.01A to 20.00A(0.01A step) at 20A range
Current value display	4A, 20A, 2range automatic switching 1mA to 4000mA(1mA step) 0.01A to 20.00A(0.01A step)
【Input / Output part】	
(Signal source) Input channel	7 channels BNC connector Unbalanced input, Input impedance 100kΩ
(Loudspeaker) Output channel	8 channels

	XLR 3P male connector Balanced output, Output impedance 200Ω
Power amplifier connector	Neutrik speakON connector
Loudspeaker connector	Neutrik speakON connector
【Volt meter part】	
Measurement range	0.0V to 141.0Vrms (0.1V step) Input impedance 500kΩ
Response	Fast(0.3second) / Slow(5 to 6second) 2range switching
【Power source】	AC85V to 264V
【Temperature / Humidity range】	5℃ to 35℃ 20% to 90% (No condensation)
【Dimensions / Mass】	433(W) x 340(D) x 265(H) mm / 9.8kg

3. System configuration

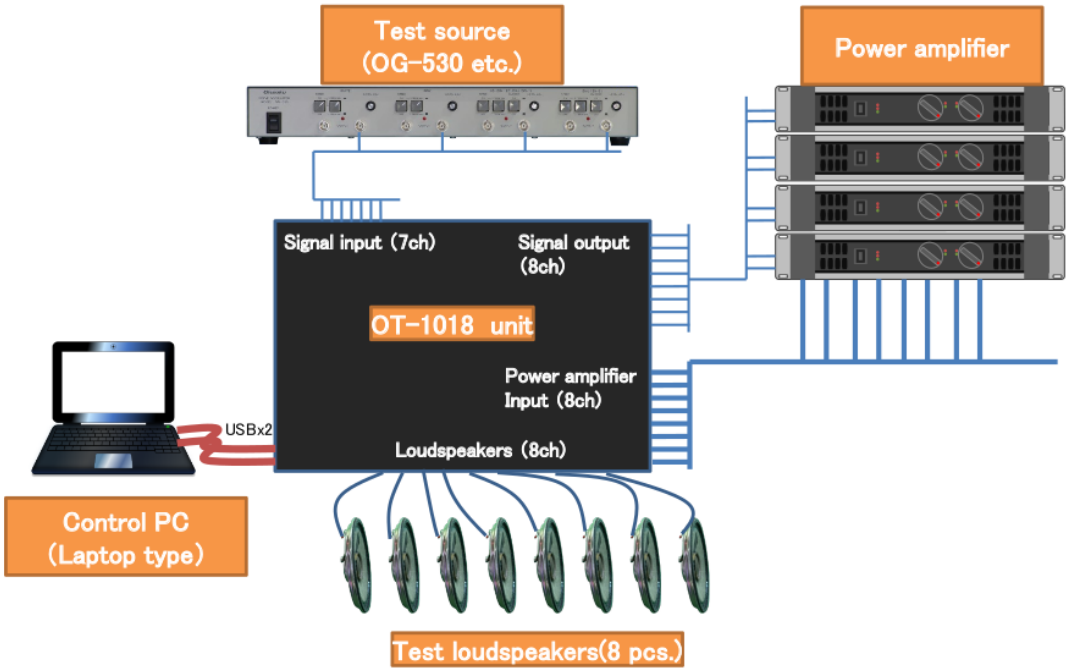
【Basic configuration】

・Hardware unit (Model OT-1018)
・Laptop computer (It is used control the hard ware unit)
・Sine wave oscillator (Model OP-1019)

【Optional configuration】

・OT-1018 expansion unit
・Signal source (Noise oscillator model OG-530 / Variable band-noise oscillator model OFV-552 etc.)
・Power amplifier
・Storage rack

4. Block diagram



Specifications are subject to change for improvement