MODEL-7200A
PORTABLE BALANCER

- Tracking filter type balancer also available as a stroboscopic balancer without a photo sensor.

- Equipped with a FFT function and an automatic sampling function as afrequency analyzer and printable on the built-in printer

Composition

- Balancer Model-7200A
- Extension cable for the pickup 30 meters long (with a cable drum)
- Electro-dynamic pickup (selectable from MODEL-2009, B9200, I-544)
- Carrying bag
- Stroboscope
- Reflective type photosensor (optional)

Specifications

Applicable vibration pickup	electro-dynamic vibration velocity pickup (Three types of pickup below are selectable by a trim switch.)
• MODEL-2009	Sensitivity;19.7mV/mm/s Input impedance;10kΩ
• B-9200	Sensitivity;19.7mV/mm/s Input impedance;10kΩ
• I-544	Sensitivity;2.5mV/mm/s Input impedance;1MΩ
Vibration pickup input	Channel A or Channel B (selectable)
Rotational signal input	0〜5V rise-up signal of 1 pulse per revolution For indication of revolution and phase reference of the tracking filter

AC OUT	Vibration waveform output ±2V/FS Output impedance 100Ω
Stroboscope output	for the attached stroboscope (turned on and off by a switch)
Display	Digital LED display and indicators

- r.p.m. Indication / 500-10,000rpm Resolution 1rpm
- Indication of FIL OUT vibration value / Overall vibration value
- Indication of FIL IN vibration value / Filter pass value in Tracking or Man. Tune mode
- Phase angle indication / 0 to 359 degrees angle between the rise of a revolution pulse and a positive peak of the vibration waveform of the component of revolution
- LOCK indicator:Lights when the balancer is in synchronism with the revolution signal or the internal oscillator.
- INPUT SEL indicator / Shows an input channel that is under measurement
- Unit indicator:Lights to indicate an acceleration, velocity, or displacement

Analog meter	0-1 scale over 0-3 scale
• FIL IN mode	Shows the filter pass value in the Tracking or Man.Tune mode
• FIL OUT mode	Shows an overall vibration value
Printer	A built-in thermal printer
• PRINT	Prints out the result of current measurement at any timing
• ANALYZE	Captures vibration waveforms, performs FFT on them, and prints out the resulting graph and a list of up to five peaks.
• AUTO LOG	Prints out the result of measurement of a selected channel under the specified conditions.
Range of vibration measuring frequency	10Hz~200Hz(±0.5dB)
Full scale range (10 dB step)	
• Displacement	1, 3.16, 10, 31.6, 100 ×1/100mm(P-P)FS
• Velocity	1, 3.16, 10, 31.6, 100 mm/s (Peak) Full scale
• Acceleration	1, 3.16, 10, 31.6 ,100 m/s^2(Peak) Full scale
Stroboscopic balancer function (FILTER:MAN.TUNE)	Flashes at a vibration phase filtered with a frequency of theinternal oscillator as the central frequency. (500-10,000rpm)
Automatic capture and print function	Automatically captures vibration data according to OR of an r.p.m. change pitch and a time lapse pitch and prints out it together with time data.
Tracking filter function	Automatic tuning with the signal from the revolution sensor by the tracking filter
Power supply	AC100V±10V, Normally 1A or less, 2A fuse
Dimensions and weight	(W)300×(H)123×(D)230mm,4.5kg