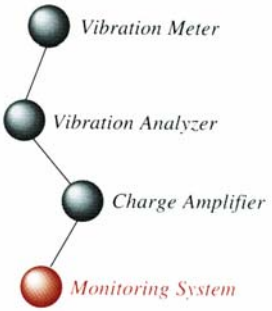


Respond to the needs; "safe and comfortable"

SHOWA



PORTABLE BALANCER Model-7200

- 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 a frequency analyzer and printable on the built-in printer



PORTABLE BALANCER

Model-7200

Composition

- Balancer Model-7200 ● Extension cable for the pickup 30 meters long (with a cable drum)
- Electro-dynamic pickup(selectable from S2037F-100, 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.)
 - S2037F-100 : Sensitivity:10mV/mm/s Input impedance:10k Ω
 - B-9200 : Sensitivity:19.7mV/mm/s Input impedance:10k Ω
 - I-544 : Sensitivity:2.5mV/mm/s Input impedance:1 MΩ
- 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 100 Ω
- 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~500Hz(±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/s² (Peak) Full scale
- Stroboscopic balancer function (FILTER:MAN.TUNE) : Flashes at a vibration phase filtered with a frequency of the internal 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、 4.2kg



Pickup B-9200



Pickup I-544



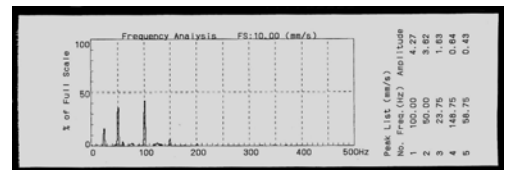
Extension detector cable



Stroboscope



7200 display



Frequency analysis chart