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PORTABLE INSTRUMENT

N330

2,3 VIBROMETER | FFT | ISO SMART ANALYSIS | CBA | TACHO

VIBROMETER

MACHINE ANALYSER

SPECTRUM ANALYSER

BALANCER 1-2 PLANES

NEW

CEMB

BALANCING MACHINES

N330 PORTABLE INSTRUMENT

STANDARD ACCESSORIES

- No.1 accelerometer transducer 100mV/g
- No.1 magnetic base Ø 25mm
- No.1 probe
- No.1 transducer connection cable L 2m
- No.1 Photocell complete with upright and magnetic base
- Graduated disk Ø 96mm
- No.1 USB stick with manuals
- Battery charger with multiplug adapters
- Carrying case
- Micro USB Cable

OPTIONAL ACCESSORIES

- No.1 Connection cable 5m for transducer
- N.1 Connection cable 5m for photocell
- No.1 Extension cable 10m for transducer
- No.1 Extension cable 10m for photocell
- Second Plane Balancing Kit, composed by: accelerometer ¼”28”UNF + 2m cable red + Ø 25mm magnetic base and probe

The Smart solution for vibration analysis and balancing

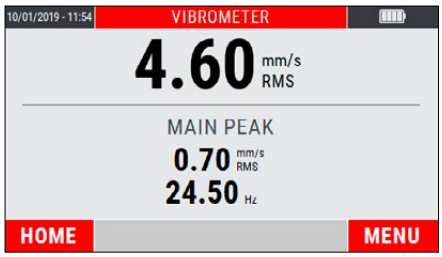
Intuitive functions under full control

EASY CLICK | HIGH LUMINOSITY | WIDE ANGLE VIEW

10 KHz Vibrometer and Machine Analyzer with static and dynamic balancing function

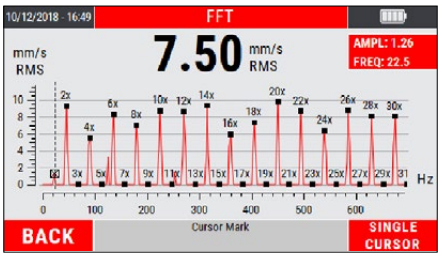
- **4.3” color graphic display**
  Very high luminosity and contrast for sunlight use
  Wide view angle
- **Enhanced click keyboard**
  Optimal tactile feedback
  Designed for gloves use
- **Heavy duty and metallic connectors**
- **Fast measure**
- **Huge memory space**
  14.8 GByte, expandible to 128 GByte
  1000+ measures for each type
- **Easy reporting & software**
  Screenshot display capture and save
  Smart route data store
  N-EXPERT software for vibration analysis, balancing, report

VIBROMETER & TACHO



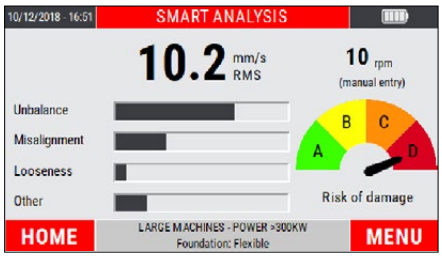
- Single channel function
- Overall with main peak
- 1x fundamental with phase
- Speed rotation
- Big readable characters

HIGH RESOLUTION FFT



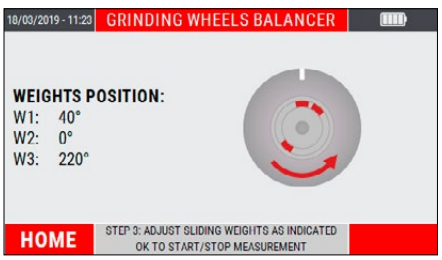
- Graphic zoom
- Peak cursors
- Autoscale feature
- List of main peaks

SMART ANALYSIS



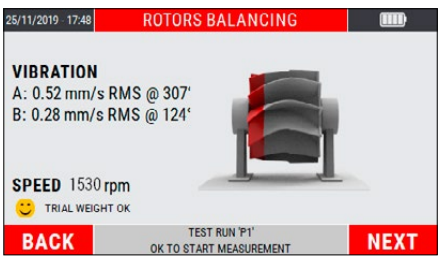
- Machine troubleshoot at a glance
- Vibration root cause identification
- Step by step according ISO10816-3
- Automatic speed detection

GRINDING WHEEL BALANCING



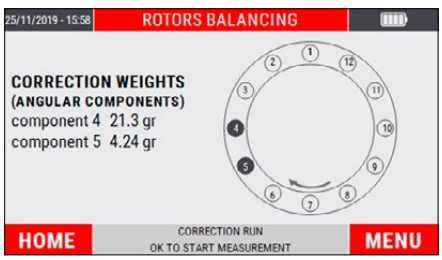
- Grinding balancing with 2 or 3 counterweights
- Graphic interface with real time correction
- Balancing Report

ROTORS BALANCING



- Static/Dynamic balancing (1-2 planes)
- Check of trial weight effect
- Balancing tolerance according to ISO21940-11
- Estimate of trial weight calculation in grams
- Balancing by addition or removal mass

ANGULAR SPLIT



- Split angle calculation:
  - Split weights
  - Split on fixed available angular locations (from 1 up to 24)

TECHNICAL DATA

GENERAL CHARACTERISTICS

- Display: 4,3” colour LED-backlit TFT LCD (480 x 272 pixel)
- New EasyClick tactile keyboard with embossed keys
- Internal memory: 14,8 Gb (expandible to 128 Gb)
- Multi languages user interface

MEASUREMENT TYPES

- Effective value (RMS)
- Peak value (Pk)
- Peak-to-peak value (PP)

MEASURING PERFORMANCE

- Bandwidth: 1-10 KHz
- FFT Resolution: Max 3200 lines
- Tacho: Up to 250000 rpm

UNITS OF MEASUREMENT

- Acceleration: [g]
- Velocity: [mm/s] or [inch/s]
- Displacement: [µm] or [mils]
- Frequency: [Hz] or [Cpm]

INPUT

- Channel A: Vibrometer function – IEPE sensor (accelerometer and velomitor)
  Balancing function 1 plane - IEPE sensor (accelerometer and velomitor)
  With a specify cable pluggable on a BNC it can be used to read any dynamic signal max. 10V PkPk
- Channel B: balancing function 2 planes - IEPE sensor (accelerometer and velomitor)
- 1 photocell channel (velocity and angle reference)
- 1 MicroUSB 2.0 port for data transfer
- 1 jack plug for battery charger

AMBIENT

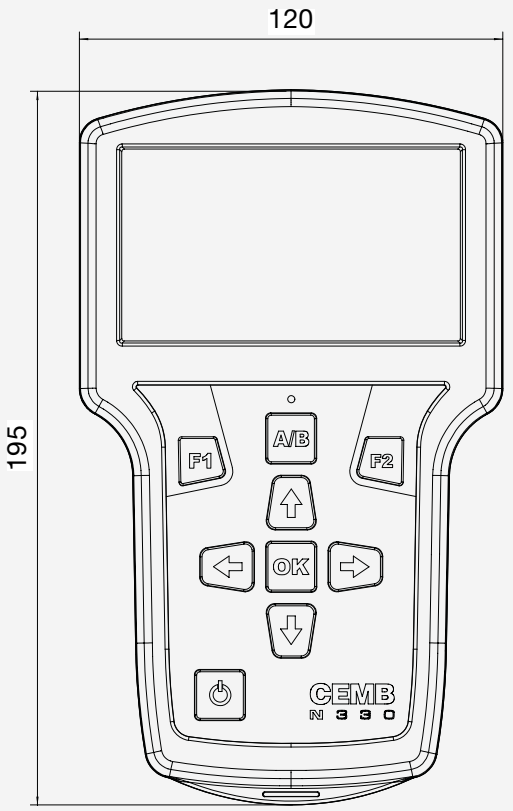
- Temperature: from -20° to +50° C
- Air humidity: from 0 to 95% without condensate
- Protection: IP54

POWER SUPPLY

- Long Life Battery: > 8 hours based on typical use
- Charging time: 2,5 hours for 80% recharge
  4 hours for 100% recharge
- Rechargeable 3100 mAh Lithium battery
- Power supply-battery charger for 100-240 V, 50/60 Hz (24 V, 1.5 A)

CARRYING CASE DIMENSIONS AND WEIGHT

- Approx. 440 (L) x 360 (H) x 145 (D) 3350 g



CEMB
BALANCING MACHINES

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