PORTABLE INSTRUMENT
N330

2,3 VIBROMETER

FFT

ISO SMART ANALYSIS

CBA

TACHO

VIBROMETER

MACHINE ANALYSER

SPECTRUM ANALYSER

BALANCER 1-2 PLANES

NEW

27/11/2019 - 13:40

ROTORS BALANCING

VIBRATION
A: 1.16 mm/s RMS @ 286°
B: 0.31 mm/s RMS @ 292°

SPEED 1530 rpm

BACK

CORRECTION RUN
OK TO START MEASUREMENT

NEXT

F1   A/B   F2

OK

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BALANCING MACHINES

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
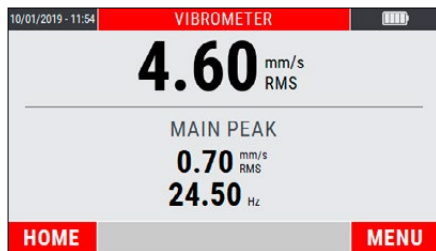
Intuitive functions under full control

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

EASY CLICK

HIGH LUMINOSITY

WIDE ANGLE VIEW

- **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
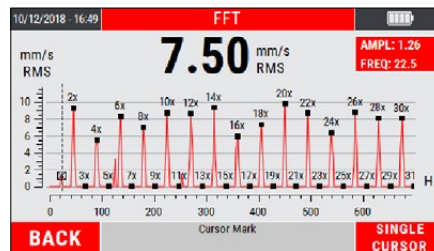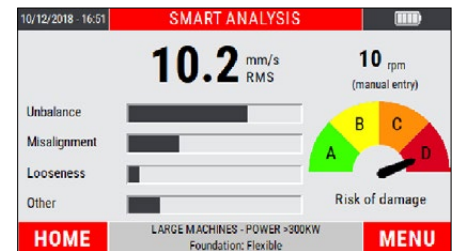
VIBROMETER & TACHO

10/01/2019 - 11:54   **VIBROMETER**

4.60 mm/s RMS

MAIN PEAK
0.70 mm/s RMS
24.50 Hz

HOME   MENU

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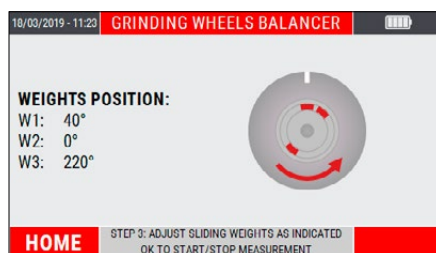- 1x fundamental with phase
- Speed rotation

HIGH RESOLUTION FFT

10/12/2018 - 16:49   **FFT**

mm/s RMS   **7.50** mm/s RMS   AMPL: 1.26 FREQ: 22.5

BACK   SINGLE CURSOR

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

SMART ANALYSIS

10/12/2018 - 16:51   **SMART ANALYSIS**

10.2 mm/s RMS   **10** rpm (manual entry)

Unbalance
Misalignment
Looseness
Other

Risk of damage

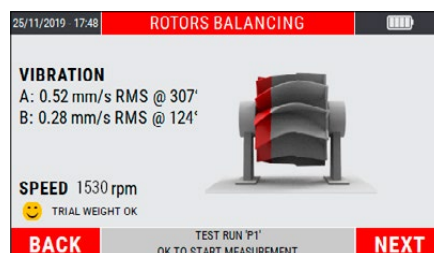HOME   LARGE MACHINES - POWER >300KW Foundation: Flexible   MENU

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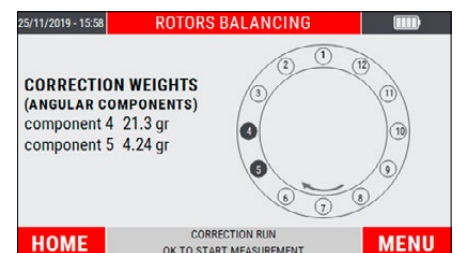
GRINDING WHEEL BALANCING

18/03/2019 - 11:23   **GRINDING WHEELS BALANCER**

WEIGHTS POSITION:
W1:   40°
W2:   0°
W3:   220°

HOME   STEP 3: ADJUST SLIDING WEIGHTS AS INDICATED OK TO START/STOP MEASUREMENT

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

ROTORS BALANCING

25/11/2019 - 17:48   **ROTORS BALANCING**

VIBRATION
A: 0.52 mm/s RMS @ 307'
B: 0.28 mm/s RMS @ 124'

SPEED 1530 rpm
☺ TRIAL WEIGHT OK

BACK   TEST RUN 'P1' OK TO START MEASUREMENT   NEXT

- 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

25/11/2019 - 15:58   **ROTORS BALANCING**

CORRECTION WEIGHTS
(ANGULAR COMPONENTS)
component 4 21.3 gr
component 5 4.24 gr

HOME   CORRECTION RUN OK TO START MEASUREMENT   MENU

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

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
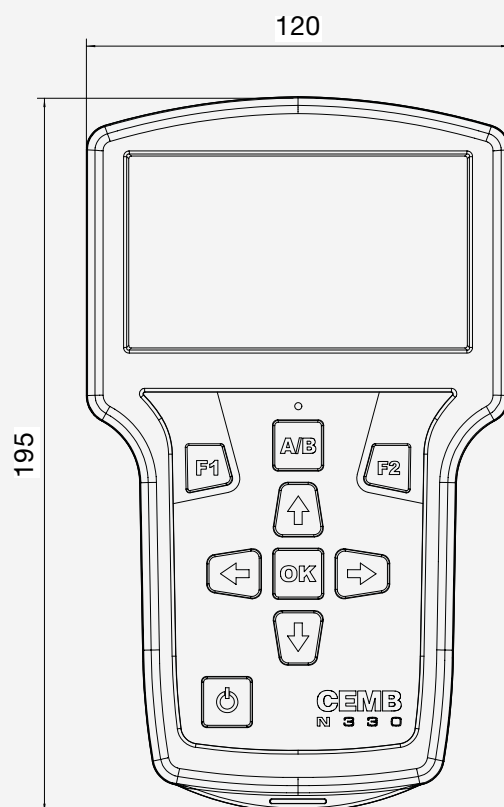- 1 jack plug for battery charger

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

CEMB S.p.A. - Via Risorgimento, 9
23826 Mandello del Lario (LC) - Italy
www.cemb.com

Vibration analysis division:
Phone +39 0341 706111
e-mail: stm@cemb.com

ASNE05120

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