PORTABLE EQUIPMENT

N130

2,3
VIBROMETER

FFT

ISO
SMART ANALYSIS

CBA

TACHO

VIBROMETER

MACHINE ANALYSER

SPECTRUM ANALYSER

26/11/2018 - 15:27

VIBROMETER

5.30 mm/s RMS

MAIN PEAK

4.60 mm/s RMS

60.50 Hz

HOME

OVERALL - Range 10 - 1000 Hz

MENU

F1

F2

OK

CEMB

N130

NEW

CEMB

BALANCING MACHINES

26/11/2018 - 15:27 — VIBROMETER

5.30 mm/s RMS

MAIN PEAK
4.60 mm/s RMS
60.50 Hz

HOME · OVERALL - Range 10 - 1000 Hz · MENU

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 USB stick with manuals

Battery charger with multiplug adapters

Carrying case

Micro USB Cable

OPTIONAL ACCESSORIES

No.1 Photocell complete with upright and magnetic base

No.1 Connection cable 5m for transducer

No.1 Connection cable 5m for photocell

No.1 Extension cable 10m for transducer

No.1 Extension cable 10m for photocell

The smart solution for vibration analysis

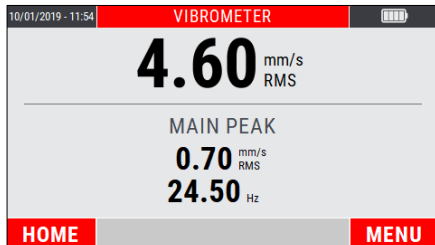## Intuitive functions under full control

Up to 10 KHz Vibrometer and Machine Analyzer

- **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 metal connectors**
- **Fast measurement**
- **Huge memory space**
  14.8 GB, expandable to 128 GB
  1000+ measurements of each type
- **Easy reporting**
  Screenshot capturing
  Smart route data store
  Output file type: JSON format
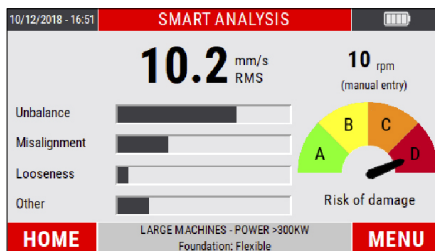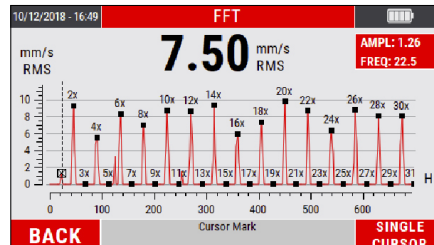 Micro USB 2.0 data port

EASY CLICK

HIGH LUMINOSITY

WIDE ANGLE VIEW

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
- Rotation speed

HIGH RESOLUTION FFT

10/12/2018 - 16:49   FFT

7.50 mm/s RMS   AMPL: 1.26   FREQ: 22.5

mm/s RMS

BACK   Cursor Mark   SINGLE CURSOR

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

INTELLIGENT DATA SAVING

10/01/2019 - 11:55   VIBROMETER

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	del
min	Z	X	C	V	B	N	M	#	min
space

BACK   Save measure / Create new ID project   DONE

STEP 1: Enter the machine name

10/01/2019 - 11:59   VIBROMETER
Choose the support bearing:
3
BACK   Save measure / PRJ 1

STEP 2: Select the location

10/01/2019 - 12:01   VIBROMETER
Orthogonal direction:
x, y, z
BACK   Save measure / PRJ 1, Point "3"

STEP 3: Enter the X, Y or Z direction

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

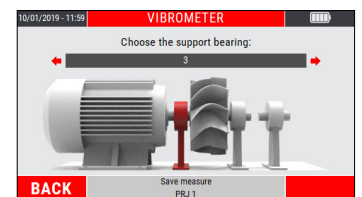## BEARING ANALYSIS

25/11/2018 - 15:36   CBA

1.30 gE CBA

HOME   info CBA   MENU

- Based on envelope algorithm
- Bearing condition evaluation
- Store CBA value for trend analysis
  and predictive maintenance

CEMB

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 (expandable to 128 GB)
- Multi language user interface

MEASUREMENT TYPES

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

MEASURING PERFORMANCE

- Bandwidth: 1Hz - 10 KHz
- FFT Resolution: Max. 3200 lines
- Tachometer: Up to 250,000 rpm

UNITS OF MEASUREMENT

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

INPUT

- 1 measuring channel IEPE sensor, accelerometer and velocimeter (with a specified cable pluggable on BNC to read any dynamic signal max. 5V-PP)
- 1 photocell channel (rotation speed and angle reference)
- 1 MicroUSB 2.0 port for data transfer
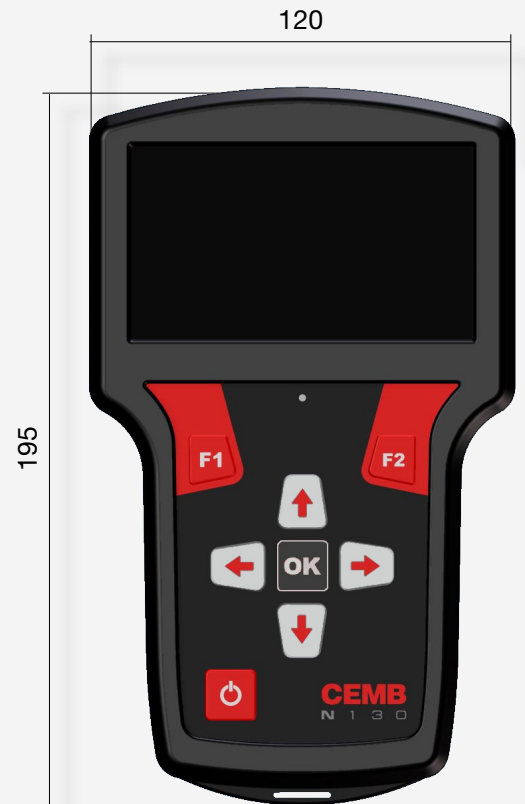- 1 jack plug for battery charger

AMBIENT

- Temperature: from -20° to +70° 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% of battery capacity
  4 hours for 100% of battery capacity
- Battery type: 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. 370(L) x 300 (H) x 115(D), 1800 gr.

120

195

36

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BALANCING MACHINES

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TIRGAN
VIBRATION ANALYSIS & CONDITION MONITORING EQUIPMENT

ASNE03120 01/19