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
N 1 3 0

NEW

CEMB
BALANCING MACHINES

On-device display:
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
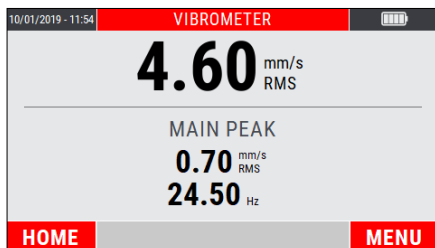
Intuitive functions under full control

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 and metallic connectors**
- **Fast measure**
- **Huge memory space**
  14.8 GByte, expandible to 128 GByte
  1000+ measures for each type
- **Easy reporting**
  Screenshot display capture and save
  Smart route data store
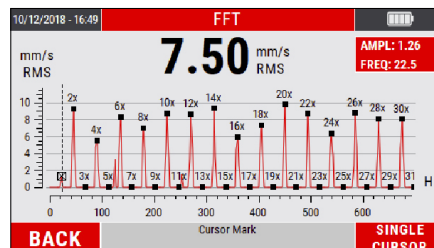 Output file: JSON format
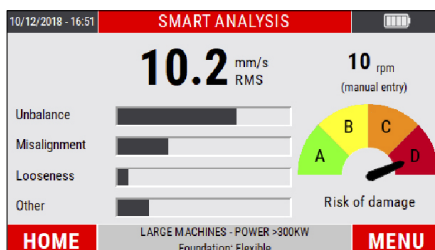 Micro USB 2.0 data port

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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

SMART ANALYSIS

10/12/2018 - 16:51 — SMART ANALYSIS

10.2 mm/s RMS — 10 rpm (manual entry)

Unbalance
Misalignment
Looseness
Other

B C A D
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

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

BEARING ANALYSIS

25/11/2018 - 15:36 — CBA
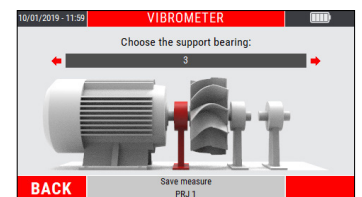
1.30 gE CBA

HOME — info CBA — MENU

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

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INTELLIGENT DATA SAVING
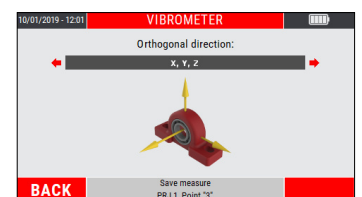
10/01/2019 - 11:55 — VIBROMETER

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 bearing

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

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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

- 1 measuring channels IEPE sensor, accelerometer and velomitor.
  With a specify cable pluggable on a BNC for read any
  dinamic signal max. 10V PkPk
- 1 photocell channel (velocity and angle reference)
- 1 MicroUSB 2.0 port for data transfer
- 1 jack plug for battery charger
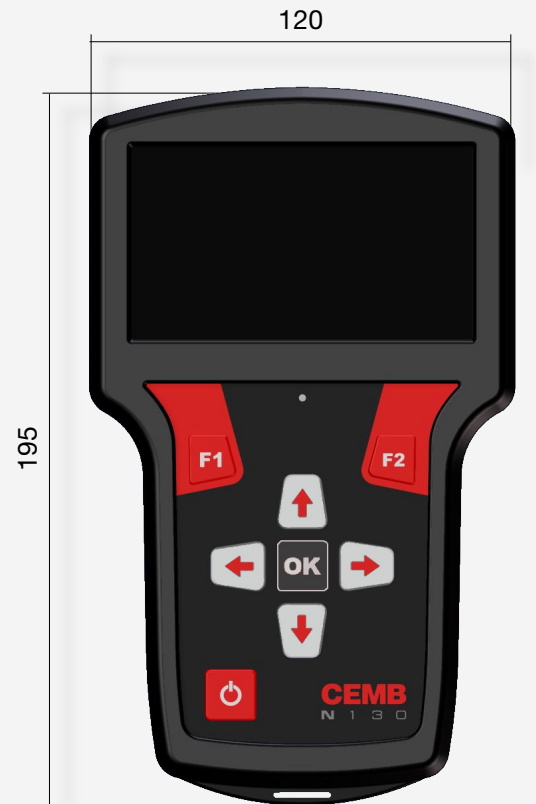
AMBIENT

- Temperature: from -20° to +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% 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. 370(L) x 300 (H) x 115(D) 1800 g

120

195

36

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