PORTABLE EQUIPMENT

N600

| 2,3 VIBROMETER | FFT | ⚖ | ROUTE | t MONITOR | v MONITOR |

DUAL CHANNEL VIBROMETER

SPECTRUM ANALYSER

DATA COLLECTOR

BALANCING MACHINE

N600
Vibration Analyzer

Start/Stop misura | Taratura | Stampa | Scomponi correzione | | | Archivio | Start/Stop misura

CEMB N600

CEMB
BALANCING MACHINES

The solution for vibration analysis and balancing

10 Khz Dual channel instrument for balancing and vibration analysis

- 7" color graphic display
  Very high luminosity and contrast for sunlight use
- Diagnosis and solutions in a simple, quick and intuitive way
- Always efficient machines and cost savings thanks
  to vibration monitoring and balancing
- Fast & accurate vibration measurements
- Powerful and versatile designed to perform
  extremely fast vibrometric controls,
  balancing in service and analysis
  on any rotating machine
- Indispensable to programming predictive
  and periodic maintenance
- PC interface by USB memory stick

STANDARD ACCESSORIES:

No. 2 accelerometer transducers 100mV/g

No. 2 transducers connection cables L 2,5m

No. 1 heavy duty coiled cable L 2m

No. 2 magnetic bases Ø 25 mm

No. 2 probes

No. 1 hi-speed photocell 250000 rpm complete
     with upright and magnetic base

No. 1 roll of reflecting tape

No. 1 USB stick for data transfer

No. 1 Angle rule

No. 1 battery charger

No. 1 Carrying case with carry strap

Manual

OPTIONAL ACCESSORIES:

Protective cover

Velocity transducer complete with magnetic base and cable

Transducer connection cable L 5m

Extension cable for transducer L 10m

Extension cable for photocell L 10m
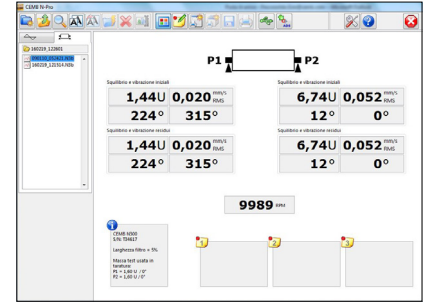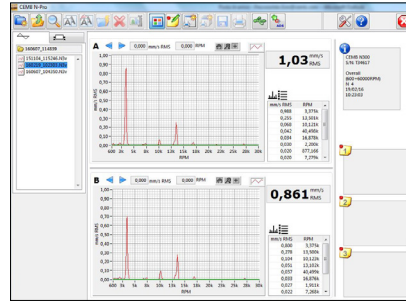
N-PRO Software storage and data report

Route Manager Software

ADS Software storage, diagnostic and data report

N-PRO SOFTWARE

- PC Data storage
- Quick report creation by standard template
- Quick creation of customized reports
- Analysis and data processing.

ROUTE MANAGER

Software for route creating that makes N600 a Data Collector for predictive maintenance.

- Intelligent storage of measurements acquired in the field
- Creating new routes
- Manage existing routes
- Saving routes and upload them on the N600 instrument
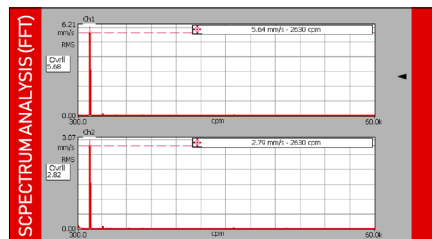- Tree manager to add items to the database
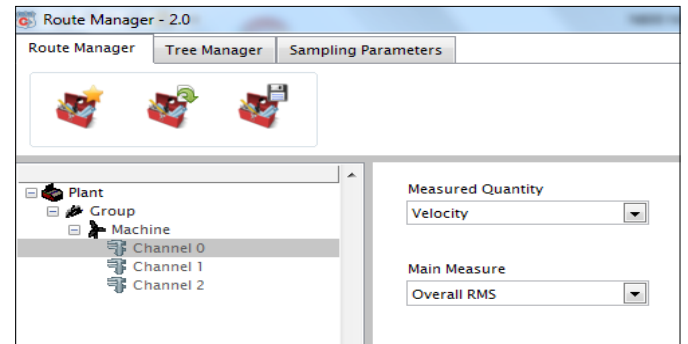
ADS - ADVANCE DIAGNOSTIC SOFTWARE

The software provides advanced diagnostic tools to meet every user needs: archive, detailed analysis, diagnostics, measurement comparisons, trends, spectra, and waveforms.
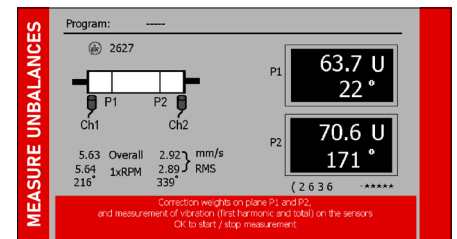
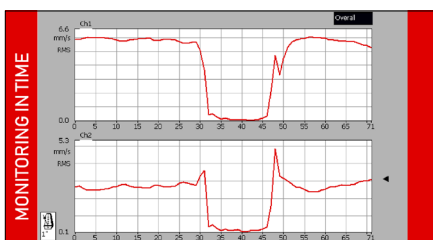# VERSATILE, COMPLETE AND INTUITIVE
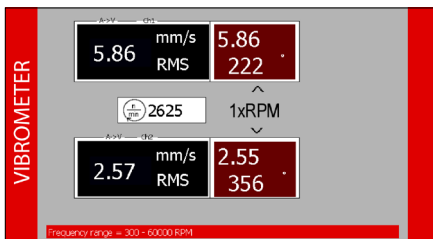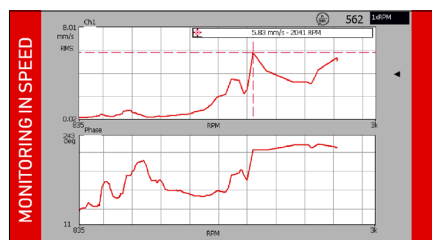

VIBROMETER

- Vibrometer function
- 2 Channel with Phase

SCPECTRUM ANALYSIS (FFT)

- FFT analyse with graphic zoom
- Peak cursors
- List of main peaks

MEASURE UNBALANCES

- Balancing function 1 or 2 planes
- Graphic indicator of measurement stability

MONITORING IN TIME

- Monitor Time
- Overall vibration trend over time

MONITORING IN SPEED

- Monitor Velocity
- Vibration value trend and phase at the speed variation

CORRECTION SPLIT
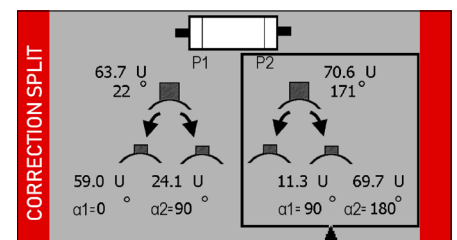
- Vectorial breakdown of the unbalance
- Correction by adding or removing material

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TECHNICAL DATA

GENERAL DATA
- Display: 7" colour LED-backlit TFT LCD
- Multifunction Keypad

MEASUREMENT TYPES
- Effective value (RMS)
- Peak value (Pk)
- Peak-to-peak value (Pk-Pk)

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

INPUT
- 2 independent and simultaneous measuring channels (accelerometer, velocimeter, non-contact, any signal max. 5V-PP)
- 1 photocell channel (velocity and angle reference)
- 2 USB ports for data transfer

VIBROMETER FUNCTION
- Measurement of the overall vibration (acceleration, velocity, displacement)
- Max. settable frequency (100; 500; 1000Hz; 2.5; 5; 10 kHz)
- Measurement of 1x fundamental vibration value and phase

FFT FUNCTION (ANALYSIS IN FREQUENCY)
- FFT analysis (manual/trigger)
- Maximum settable frequency (25; 100; 500; 1000Hz; 2.5; 5; 10; 15kHz)
- Resolution (100; 200; 400; 800; 1600; 3200 lines)
- Numbers of averages: from 1 to 16

MONITOR – DATA LOGGER FUNCTIONS
- Recording and display of overall vibration trend over time
- Storage and display of vibration trend and phase when rotation velocity changes
- Bode Plot

BALANCING FUNCTION
- Number of correction planes: from 1 to 2
- Vectorial breakdown of the unbalance
- Correction by adding or removing material
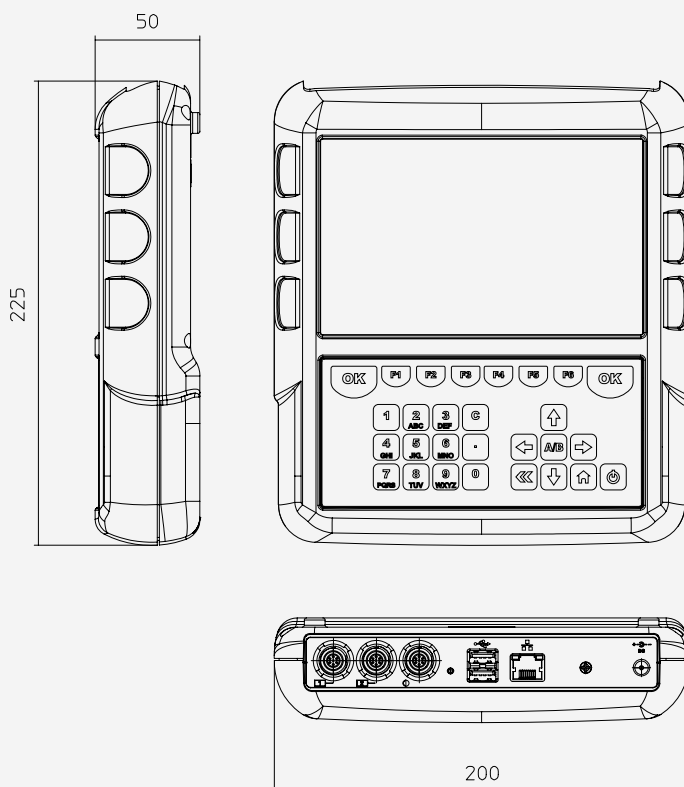
OPERATING CONDITIONS
- Temperature: from -10° to +50° C
- Air humidity: from 0 to 95% without condensate

POWER SUPPLY
- Rechargeable 6Ah Lithium battery
- Charging time: < 5 hours (when battery is fully discharged)
- Power supply-battery charger for 100-240 V, 50/60 Hz (24 V, 1.5 A)
- Battery life: > 8 hours based on typical use

DIMENSION WEIGHT AND PACKAGING
- Approx. mm 460(L) x 360(H) x 180(P) 6000g
- Packaging: carton box 58 x 25 x 52 mm

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BALANCING MACHINES