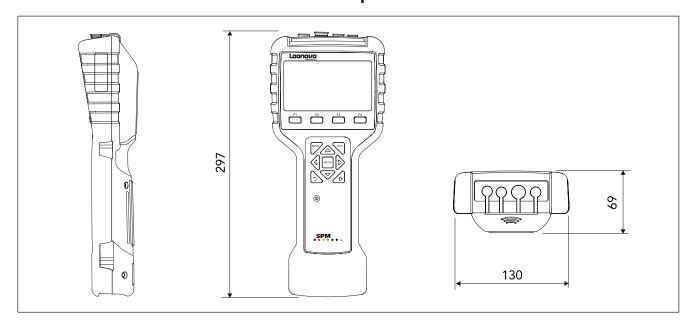






Leonova Diamond® - Instrument specifications



Technical specifications

Housing: ABS/PC/TPE, IP65 Dimensions: 297 x 130 x 69 mm

Weight: 890 g

Keypad: Sealed, snap action

Display: TFT colour, 480 x 272 pixels,

4.3 inch widescreen, adjustable

backlight

Main processor: 400 MHz ARM

256 MB RAM, 512 MB Flash, SD Memory:

card 1GB expandable up to 8GB

Operating system: Microsoft Windows® CE 375 MHz floating point DSP processor:

Communication: USB 2.0

Power supply: Rechargeable Lithium-Ion battery

pack, 5200 mAh or power adapter

For min. 16 hours normal use (20°C) Battery power:

-20 to 55 °C , non condensing Operating temperature:

Charging temperature: 0 to 45 °C

General features: Language selection, battery status indication, transducer line test,

metric or imperial units

NFC transponder for communication Meas. point identification:

with CondID™ tags, read/write distance max. 50 mm (2 inch)

Vibration monitoring

Vibration channels: 3 simultaneous

up to 120 dB, 24 bit A/D converter Dynamic range:

Frequency range: 0 (DC) to 40 kHz Max. 25 600 lines Resolution:

Vibration transducer input: <24 Vpp. Transducer supply of

2,5 mA for IEPE (ICP) type can be

set On/Off

Transducer types: Any transducers (disp., vel. or acc.)

with voltage output

Measuring techniqes:

ISO 2372, ISO 10816, HD ENV, EVAM Evaluated Vibration Analysis,

FFT Spectrum with Symptoms, Orbit analysis, 3 channels simultaneously, balancing

Bearing monitoring

SPM HD: -30 to 110 dBsv Measuring range:

(44000 transducer) dBm/dBc: -9 to 99 dBsv LR/HR: -19 to 99 dBsv

Resolution: 0,2 dB/HD, 1 dB dBm/dBc and LR/

Transducer types: SPM 40000, 42000, 44000, probe

and quick connector transducers,

DuoTech

Tacho input

Measuring range: 1 to 150 000 PPM

Resolution: 1 pulse

Accuracy: \pm (1 pulse + 0.01% of reading) TTP10, TTL pulses, keyphasor and Transducer types:

proximity switch NPN/PNP.

Output: TTL output for stroboscope and 12

Analog signals

0 to 10 V DC, 0 to 20 mA Measurement range: 18 bit A/D converter Resolution: \pm 1% of reading + 0,1 V/mA Accuracy:

Output/input

Headphones/microphone: 3.5 mm stereo plug

Mini USB Communication:

Temperature measurement

Inputs: TTP10 or via analog input

Stethoscope

Transducer types: Shock pulse and vibration transducer

Settings: Filter, volume and gain

Patents: DE#60304328.3 - US#7,054,761 - US#7,167.814 - US#7,200.519 - US#7,301,616 - US#7,313,484 US#7,324,919 - US#7,711,519 - US#7,774,166 - DE#60336383.0 - US#7,949,496 - DE#60337804.8 GB#1474662 - GB#1474663 - DE#60338365.3 - ZA#2011/04946 - SE#0951017-3 - DE#60331502.4 GB#1474669 - SE#100631-0 - US#8,762,104 - US#8,812,265 - US#8,810,396 - CN#ZL200980155994.1 CN#ZL201080019737.8 - KZ#020791 - RU#2029330744 - RU#621908 - KZ#021908 US#9,220,986 - US#9,271,91180006321 - XZ#020330744 - RU#021908 - KZ#021908 US#9,203,904,033 - KZ#024339 - RU#024339 - CN#ZL201380007381 X - AU#2015203801 - AU#2013215672 RU#201377 - CN#ZL2012800347548 - US#6,873,931 - DE#60203021988.5 - DKF/FRZIT/KIN/OKS/GB#2810027 - SE#13744257.0 - AU# 2015203861 - RU# 207452 - GB# 2505984 - US# 9,772,219

