PORTABLE INSTRUMENTS





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Changes in products and/or product specifications can emerge due to new technologies and continuous development.

We reserve the right to change or modify specifications of products without prior notice.

We recommend you to contact our sales office for up-todate information.

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COMPANY INFORMATION

INNOVATEST® Group of companies

With its foundation laying in the 19th century (1890) INNOVATEST® has a rock solid position in the market of materials testing instruments, optical measuring equipment and general testing instruments such as surface roughness, wall thickness, vibration, and other portable testing equipment.

For the last 25 years, the owners have largely invested in the product tier Hardness Testing, while still keeping their focus on other product lines.

This leaflet offers you an easy overview of our range of hardness testing instruments, but is limited in showing particular technical details of each individual product.

Please ask our sales team for detailed product leaflets showing all instruments and their details.

Service and calibration

We have confidence in our products. Therefore we offer a limited guarantee of 2 years or longer on all our products. All products are supplied with a quality and guarantee certificate and a service passport.

Our modern workshops and professional technical staff offer service on demand, at any time and at any location in the world. First line, local after sales service and support.

Unique commitment:

Buying an INNOVATEST® portable testing instruments is a secure investment:

Not only you enjoy 2 years guarantee but we also calibrate your instruments 3 years in a row (year of purchasing) according to traceable standards, providing a new certificate after each calibration, FREE OF CHARGE*.

Ask our sales department for more details.

Product portfolio

INNOVATEST® develops & manufactures hardness testing instruments, accessories and machine vision systems as well as tester automation. The company further supplies a range of portable instruments such as roughness testers, wall thickness testers, coating thickness gauges, vibration meters and other quality assurance instruments.

Our goal is to assure you confidence and to reach absolute customer satisfaction by offering high quality affordable instruments and an ever lasting service.

We welcome you to challenge us.

R.H.J.M. Engbersen Managing Director Chief Executive Officer

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TH-1100

All instruments in our range are covered by 2 years limited guarantee.

Portable testing instruments have an additional 3 years FREE recalibration service.

Simply send the instrument to our company with a calibration request and we will return the unit to you, calibrated according to traceable standards, with a new 1 year valid certificate.

- Leeb principle, portable rebound hardness tester
- Hardness values in Leeb HLD, Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS
- Test results appear directly on the display
- Impact Device D integrated: no cables
- Tests at any angle, even upside down
- Rechargeable Li-on battery
- Simple handling and low test expenditure



TH-170



Portable hardness tester

- Most sold range of portable hardness tester in the world. Superior quality and reliability.
- Impact device D integrated
- Leeb HL, Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS

TH-172



Portable hardness tester

- Impact device C applying low impact energy for surface hardened components and thin walled components
- Leeb HL, Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS

TH-174



- Impact device DL for testing confined spaces
- Leeb HL, Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS

TIME 5310



- Measuring range: 170-960 HLD
- Ergonomic design, mini thermal printer (integrated)
- Interface (USB2.0)
- Automatic detection of impact device
- Automatic detection of testing angle
- Data storage for 1000 groups of data
- Six impact devices are available for special applications



Portable hardness testers

ROCKY TH-110



Portable hardness tester

- World famous ROCKY portable hardness tester
- with 3 years free of charge calibration service
- Built-in printer
- Correction for impact direction 360 degrees
- Display scales HL, HRC, HRB, HV, HB, HS and conversion to tensile strength
- Six impact devices are available for special applications

TIME 5350



- Measuring range: 170-960 HLD
- Hardness scale: HLD,HS,HB,HRB,HRC,HV
- Easy to handle, like your mobile phone
- 3.5 inch LCD screen, 320×480 dot matrix,
- Three level of backlight can be selected for convenient use in different testing environments
- Six impact devices are available for special applications

MET-U1A



WH-100



Portable hardness tester

- The WEBSTER hardness method is ideal for sheet metal, sheet aluminum and other thin materials
- Test is made by simply applying pressure to the handles until "bottom" is felt
- Easy to read dial indicator with 20 graduations, permits use of the tester as "Go" and "No Go" gauge
- Tests materials up to 13mm in thickness

INBC-01



Barcol type hardness tester

- · High sensitivity.
- Used on soft materials such as rigid plastics.
- No need to move or support the workpiece. Used to test super large and thick workpieces and assembly parts.
- Meets or exceeds ASTM B648-2000.
- The test results can be converted to HB, HR, HV and HW through a conversion table supplied with the instrument

RANGEMASTER



Portable hardness tester

- · Dynamic test indicator
- Hardness values in all major international scales with simple conversion facilities from one to the other
- RS-232 output for connection to PC or serial printer
- Memory storage capacity in excess of 400 readings
- Integral icon facility provides operator with easy visual identification of mode in which unit is
- operating

INSTRUMATIC



- The large clearly marked dials on this type of
- instruments covers a full range of hardness values in
- Vickers, Brinell, Rockwell A, B, C, and Kp/mm²
- according to the British, American and German
- · specifications.
- The system is entirely mechanical employing the use of special pre-loaded springs which provide a load of about 15kg.

TIME 2110



Ultrasonic thickness gauge

- · Ergonomic design
- · Easy to operate ultrasonic wall thickness gauge
- Suitable for metal, glass, homogeneous plastics
- Standard 5 MHz transducer included
- Sound velocity range up to 9999m/s
- Clear 4-Digit LCD display
- Display resolution 0.1mm
- Memory for 10 readings
- 5 pre-set sound velocities for repeating applications

TT-100



Ultrasonic thickness gauge

- Easy to operate ultrasonic wall thickness gauge
- · Suitable for metal, glass, homogeneous plastics
- · Standard 5 MHz transducer included
- Sound velocity range up to 9999m/s
- Clear 4-Digit LCD display
- Display resolution 0.1mm
- Memory for 10 readings
- 5 pre-set sound velocities for repeating applications

TT-120



Ultrasonic thickness gauge

- Easy to operate ultrasonic wall thickness gauge
- Special model featuring high-speed test mode for high temperature steel surfaces up to 300°C
- Standard ZW5P shielded transducer
- · (high temperature) included
- Clear 4-Digit LCD display
- Display resolution 0.1mm

TT-130



Ultrasonic thickness gauge

- Easy to operate ultrasonic wall thickness gauge
- with enhanced 0.01mm reading
- Suitable for metal, glass homogeneous plastics
- Standard 5 MHz transducer included
- Sound velocity range up to 9999m/s
- 5 pre-set sound velocities for repeating applications
- Clear 4-Digit LCD display
- Memory for 10 readings

TT-300



TT-320



Ultrasonic thickness gauge

- Special model for testing thickness of
- high temperature steel surface up to 300°C
- Min. mode for minimum thickness measurement
- Two-point calibration possible
- Automatic zero setting
- LCD display with backlight
- Large internal memory 500 readings
- Mm/inch selectable

TT-340



Ultrasonic thickness gauge

- Easy to operate handheld ultrasonic thickness
- gauge especially casting materials
- Min. mode for minimum thickness measurement
- Two-point calibration possible
- Automatic zero setting
- LCD display with backlight
- Large internal memory 500 readings
- Mm/inch selectable

TT-500



Ultrasonic thickness gauge

- A-Scan method for waveform verification
- Echo-echo mode to determine the distance excluding the coating between two echoes
- Two Alarm modes:
- Standard High-Low and Previous thickness
- Two Differential modes:
- Thickness difference between actual measuring and reference value; Percent difference between
- actual measuring and reference value
- Min. and Max. mode
- Wide thickness range (0.75mm 508mm)

TT-700



Ultrasonic thickness gauge

- · Especially suitable for testing thin workpieces
- Range 0.15mm to 20mm
- I-E testing mode and E-E testing mode
- Sound velocity testing and single point calibration
- Sound alarm and differential mode are available
- Data store, view and delete
- Results can be print out and transferred to PC
- Mm/inch selectable

TIME 3100



Surface roughness tester

- Pocket-size, ergonomic design
- Economically priced
- Roughness Parameter (Ra, Rz)
- Cut-off Lengths: 0.25mm/0.8mm/2.5mm
- Automatic battery level indication.
- Auto-off
- Protection slide on pick-up



Dual backlight display on front and on top

TR-110



- Both Ra and Rz parameters in one instrument
- LCD with back-light, dynamic test display:
- progress bar gives indication of measuring process
- Protection slide on pick-up
- · Auto-off after 90 seconds
- Software calibration
- Large measuring range suitable for most materials
- · Piëzo-electric pick-up stylus for external surfaces

TR-200



Surface roughness tester

- Measures Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr roughness parameters, digital filters
- Easy to operate menu software
- Graphical display on large LCD shows roughness graphics and statistics
- DYNAMIC, inductive pick-up stylus
- · Pick-up stylus position indicator
- Auto-off after 5 minutes, with auto-store
- Data output RS-232 to printer or PC
- · Excellent battery power with Li-ion technology
- Including free software
- Optional pick-up for grooves/bores and holes

TR-220

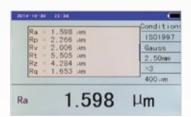


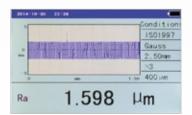
- Measures Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr, Rpc, Rk, Rpk, Rvk, Mr1 & Mr2 roughness parameters, digital filters
- Easy to operate menu software
- Graphical display on large LCD shows roughness graphics and statistics
- DYNAMIC, inductive pick-up stylus
- · Pick-up stylus position indicator
- Auto-off after 5 minutes, with auto-store
- Data output RS-232 to printer or PC
- Excellent battery power with Li-ion technology
- Optional pick-up for grooves/bores and holes

TIME 3220/3221









- Large range of parameters and graphical
- measuring system.
- · High resolution industrial touch screen
- Advanced wide parameter options
- V shaped bottom for flat or curved shaped surfaces
- Digital and analogue filtering methods (2RC, GAUSS)
- Meets or exceeds to ISO, ASTM, JIS standards
- Can be connected to TIME® TA230 printer
- Prints all parameters and graphs
- Built-in standard RS232 interface and USB interface
- Automatic switch off
- Integrated design, simple to use
- Solid ABS housing
- · Large memory

R-130/135















- Swivel stylus roughness tester, allows testing in different directions and confined spaces
- Protruding pick-up stylus allows external and
- internal surface finish testing
- Ra and Rz parameters or parameter on request
- Standard cut-off 0.8mm, adjustable to 1-3-5 times
- Piëzo-electric pick-up stylus for external surfaces with diamond tip of 2 micron according to the latest ISO standards
- R-135 with data output to printer or PC
- Standard 9V battery

CONCRETE AND VIBRATION TESTERS

TC-100/110



Concrete tester

- · Detection of rebar and other metal building
- elements (such as steel pipes) and their orientation
- Easy and accurate measurement of concrete
- cover depth and rebar diameter
- Self correction function for the influence of
- neighbouring bars
- · Large LCD display with backlight
- RS-232 output and data memory
- · Metric or imperial (mm/inch) setting
- Optical as well as acoustic position signals

TC-200



Concrete tester

- · Entire English display, clear and easy to use
- Direct digital read-out of the crack depth
- Use special bracket to ensure the accuracy of
- two testing points
- Data base to store and manage completed test
- data for analysis reporting RS-232 interface to PC

TC-300



Concrete tester

- Measuring the thickness of concrete
- · No coupling agents required
- Works through paint and most types of bonded tile
- Easy to read LCD backlit display
- Displays in mm or in inches
- Download data to excel RS-232 and USB connectivity
- Built-in Data storage and Data logging
- Memory for 32,000 tests and 4,000
- · components identification

TV-200



Vibration tester

- Used for fast failure detecting of motor, electric
- fan, pump, air compressor, and machine tool
- bearings
- For quick checking direct test results, clearly
- displayed
- Guard against mechanical malfunction
- Automatic switch-off after 40 seconds

COATING THICKNESS GAUGES

TIME 2500/2501



Coating Thickness Gauge

- Probe Types: F or N for ferrous or non-ferrous substrates
- Integrated probe : no cables
- Measuring range: 0-1250μm
- Display resolution: 0.1μm
- Automatic or manual switch off
- Back light display
- Low battery indication
- Memory for 500 measuring values

TT-210



Coating thickness gauge F/N

- Pocket type, easy to use menu structure
- · Integrated probe F/N
- Measurement modes: continuous/single
- Automatic calculation: Mean/Max/Min/No./S.Dev
- Upper-lower limit setting and sound alarm
- Data output RS-232 to printer TA-230 or PC
- Storage function for 500 measuring results
- · Automatic substrate recognition
- Statistics
- · Battery operated

TT-211



Coating thickness gauge F

- Ferrous only, ideal for car painters
- · Integrated probe F
- · Auto off
- Mm/inch selectable
- Battery operated

COATING THICKNESS GAUGES

TT-260



Coating thickness gauge

- Robust design with removable integral printer
- Large measuring range with several probes such as F, FN etc. available
- Direct testing mode and batch statistics mode (APPL/BATCH)
- Direct print out of statistical values
- Data transmission to pc with Dataview software

TT-270



Coating thickness gauge

- Two measuring methods:
- Magnetic induction (F) & Eddy current (N)
- Large measuring range with several probes such as F1, N1, F1/90, F10, CN02, F400 available
- Measurement modes: continuous / single
- Automatic calculation: Mean values / Max. values / Min. values / No of tests, S.Dev
- Memory for maximum 640 readings
- Integrated printer
- · Battery low indication
- Switch off modes: manual and auto

SHORE DUROMETERS

SHA



Shore A

- Fast and easy to read
- Hand held operation or via optional bench stand
- Available in Shore A
- Testing rubbers, plastics, leather and other soft materials
- Supplied with a setting / reference block
- The optional bench stand is intended for use with 1kg loading
- According to DIN 53505, ASTM D2240, ISO R/868
- UKAS certified

SHD



Shore D

- Fast and easy to read
- Hand held operation or via optional bench stand
- Available in Shore D
- Testing rubbers, plastics, leather and other soft materials
- Supplied with a setting / reference block
- The optional bench stand is intended for use with 5kg loading
- According to DIN 53505, ASTM D2240, ISO R/868
- UKAS certified

SHORE DUROMETERS

DSAS001



Shore A

- Testing rubber, plastic, leather and all other soft materials
- Large digital display, digits 8mm high
- Use by hand or mounted on a stand
- Supplied with a reference block
- Data output for SPC
- Power on/off automatic
- Electronic module protection to IP65, even with data output
- Can be used in conjunction with Shore bench stand
- UKAS certified

DSDS001



Shore D

- Testing rubber, plastic, leather and all other soft
- materials
- · Large digital display, digits 8mm high
- Use by hand or mounted on a stand
- Supplied with a reference block
- Data output for SPC
- Power on/off automatic
- Electronic module protection to IP65, even with data output
- Can be used in conjunction with Shore bench stand
- UKAS certified

SHORE DUROMETERS

THS-200/A



Shore A

- Pocket size model with integrated probe
- Meets DIN 53505, ASTM D 2240, ISO 7619
- RS-232 data output
- · Operating stand optional
- Bright and clear LCD display
- 300 hours continuous use with standard batteries

THS-210/A



Shore D

- Pocket size model with integrated probe
- Testing hard rubber, plastic and other soft materials
- According to DIN 53505, ASTM D 2240, ISO 7619, JIS K7215
- RS-232 data output
- · Operating stand optional
- Bright and clear LCD display
- Automatic switch off
- Battery low indication

Kapcsolat, bővebb információ:



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