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## EQUOTIP Hardness Tester

Lightweight, portable metal hardness testers, battery-operated. Based on a novel dynamic rapid test procedure. Wide measuring range, high precision combined with simple handling and low test expenditure. Slim workpieces and those weighing between 2 and 5 kg must be placed on a solid baseplate for testing in such manner that the force of the impact neither shifts them nor causes them to flex, since otherwise the readings could be falsified.

### Basic units and applications:

#### Unit D Item No. 330.001

for workpieces with hardness not exceeding 940 HV, i.e. 68 HRC.

Cast iron: 90 – 380 Brinell

Aluminium casting: 30 – 160 Brinell

Workpieces of compact form and a weight of more than 5 kg can be tested without special preparation.

#### Unit G Item No. 330.002

Special feature: Enlarged test tip, increased impact energy (approx. 9 times that of type D). Low demands on measuring surface finish. For measurements in the Brinell range only (max. 650 HB). Application: Solid components e.g. heavy castings and forgings.

### Further spare parts:

Coils, impact bodies, test blocks, coupling paste, indicating devices, connection to RS 232 C interfaces, printer and connections to printers upon request!

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## Moisture testing instrument C-M

### for the fast determination of the moisture content of foundry sands

The C-M-instrument uses the following system for determining and measuring the moisture content of the sand: carbide is dissociated by water by which acetylene evolves which increases the pressure in the steel cylinder. The water content of the sample can be determined from the pressure increase and the weight of the sample by means of the table.

#### 1) C-M-instrument with case Item No. 331.001

comprising all instruments required for carrying out measurements: stainless steel pressure vessel with manometer, hammer, chisel, scales, mortar and tin with 20 capsules of calcium-carbide, testing medium for manometer and scales as well as manual (all components also available individually).

#### 2) Capsules with calcium-carbide

Item No. 331.003 tin containing 100 capsules

Item No. 331.004 tin containing 20 capsules

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## Moisture testing balance UX 2011

### for moulding sands

Item No. 332.001

For almost all solid and liquid substances.

The principle is drying by means of infrared radiation with simultaneous weighing, the lost of weight will be indicated in percentage.

All parameters that can be preselected for the application-oriented operations can be displayed as a menu on an LCD as well as the radiation intensity.

The UX 2011 is available alternatively with or without in-built printer. The printout of all important data is GLP compliant.

#### Item No. with printer: 332.001D

Furthermore, all data are put out through the standard V24/RS 232 interface for separate printers or PC's or for printing.

### Technical data:

Weighing range	60 / 120 / 310 g
Increment	0,001 / 0,002 / 0,005 g
Radiator performance	250 watt or 375 watt
Sample weight	appr. 1 g and more
Sample volume	max. 95 cm <sup>3</sup>
Drying pan	dia. 110 mm (re-usable!)
Power supply	230 V – 20%/+15%
Power frequency	48 – 63 Hz
Power consumption	275 or 400 VA
Dimensions	appr. width 360 x depth 280 x height 415 mm
Weight	appr. 7,5 kg