



*Jumru*

**Jumru**®



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## Measuring / Measuring Thickness

### Measurer of thickness

Model: 3961

Measurer of thickness for fast measurement of the thickness in leather, felt, fabric and meshes.



### Measurer of thickness DMD 820 V

Model: 3962

Measurer of thickness DMD 820V for bonded fabrics.



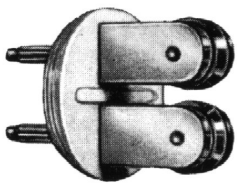
Measuring / Hygrometer



Electrode Socket

Model: 9845

Universal Electrode Socket, 150 x 45 mm.



Grooved Roller Electrode

Model: 9869

Only in connection with special cable 9846 and universal electrode socket 9845.

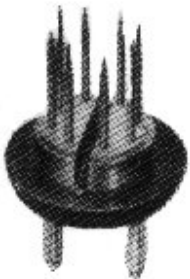
Grooved Roller Electrode, 65 x 40 mm dia for hanks or threads.



Measuring cable

Model: 9846

Measuring cable, approx. 100 cm of length.

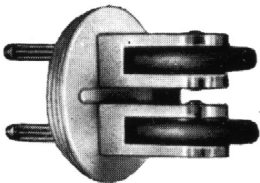


Point Electrode

Model: 9841

Only in connection with special cable 9846 and universal electrode socket 9845.

Point Electrode, needle length of 25 mm, 8 needles.

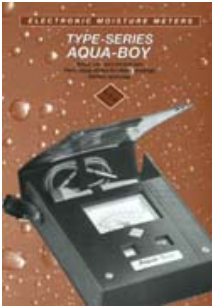


Roller Electrode

Model: 9868

Only in connection with special cable 9846 and universal electrode socket 9845.

Roller Electrode, 60 x 40 mm dia. for textiles.



### Textile Hygrometer

Model: 9840

Technical datas:

- Deviation of moisture indication  $\pm 0.2$  % Electrical
- deviation  $\pm 0.1$  % relating to absolute dial value.
- Dimensions: approx. 170 x 115 x 50 mm
- Weight: approx. 400 g.

Electronic Textile Hygrometer, small and handy, for universal use. For the power supply you need an international normed exchangeable 9-volt-battery. Moisture measuring bases on the principle of electric conductance, moisture and conductance being in reciprocal function to each other.

## Measuring / Speed Measuring

Articulating arm incl. mounting kit for Handstroboscope

Model: 4022/6

Belt bag with clip for Handstroboscope

Model: 4022/3

Li / Ion Battery Smart Pack for Handstroboscope

Model: 4022/5



Precision Tachometer

Model: 3991

Range from:

40 to 50,000 t.p.m. and from 4 to 5,000 m.p.m. to be set into

the following steps: 40 to 500 t.p.m. and from 4 to 50 m.p.m. 400 to 5,000

t.p.m. and from 40 to 500 m.p.m. 4,000 to 50,000 t.p.m. and from 400 to 5,000 m.p.m. In handy box 85 x 155 x 45 mm, with 1 rubber point, rubber bush, rubber funnel, wheel disk, and extension. Weight of approx. 580 g.

Precision Tachometer for all rotary or linear speed measurements, independent of sense of rotation. Locking button for showing the result, patented reverse gear, indifferent to change of temperature, and to magnetic fields. Deviation  $\pm 0,5 \%$ .

Replacement Xenon Lamp for Handstroboscope

Model: 4022/1

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Spare parts Electronics for Handstroboscope

Model: 4022/7

Tripod, 3-way adjustable for Handstroboscope

Model: 4022/4

Worldwide charger set (100-230V) for Handstroboscope

Model: 4022/2

## Measuring / Time Measuring



### Double Stop Watch of high precision

Model: 3992

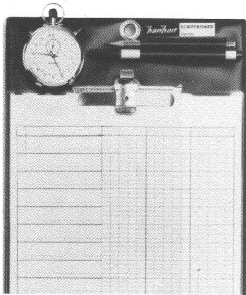
Double Stop Watch of high precision, shock-, dust- and waterproof, with double stop, lever-watch, 7 jewels, with unbreakable, antimagnetic spring, dial graduation 1/100 min, housing of approx. 55 mm dia., according to industrial standards. With index pointer for interim time stopping.



### Robotimer

Model: 3994

Robotimer, time recording device for recording all times in one operation, by one person only. Errors are excluded by double time recording. The Robotimer consists of 4 stop watches and of 1 piece counter. The first 3 watches (lever-type, 7 jewels) are indicating the time in 1/100 minutes, the fourth one (lever-type, 11 jewels) is indicating the total time. Both, watches, and piece counter, are fitted on a table of aluminium of approx. 300 x 400 mm.



### Scriptboard

Model: 3977

Scriptboard, plastic-blotting-pad with clear protective foil, with holder for stop-watch (delivery without stop-watch) writing utensils and paper holder. Measurements: 22.5 x 39.5 cm.





**Special stop watch**

Model: 3999

Special stop watch with high precision by direct stopping of a push-button, good readable LCD-display, sturdy housing (82 x 61 x 28 mm) with protection bag.

Special technical data:

- Measuring up to 99999,99 min,
- 3 single-time-stores,
- store for total time

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Special stop watch with high precision by direct stopping of a push-button, good readable LCD-display, sturdy housing (82 x 61 x 28 mm) with protection bag.



**table stop clock**

Model: 3975

This table stop clock has an optimal stabilitz because of its ergonomical design. The clearly arranged clock face luminous minute points in the dark. The working time of the includes Mignon battery is 18 months. Suitable for school, sports, industry and labour.

Measuring / Tensionmeter



Tension Meter DXB

Model: 9838/1

Price upon request !

Tensiómetro for measurement of materials in ribbon form as P.e. film, fabric ribbons etc.



Tension Meter DXF

Model: 9837/1

Price upon request !

Tensiómetro for easily breakable materials with technical fibres etc



Tension meter electronic ETM

Model: 9857/1

Price upon request !

Tensiometro electronic with microprocessor for use in reduced spaces or of difficult access.



Tension meter electronic DTMB

Model: 9852/1

Price upon request !

Electronic Tensiómetro with diverse functions of evaluation, for users that they process given as p.e. for a system QM ISSO 9000FF.



**Tension meter electronic DTMX**

Model: 9851/1

Price upon request !

Electronic Tensiómetro with diverse functions of evaluation, for users that they process given as p.e. for a system QM ISSO 9000FF.



**Tension meter for staple fibres techniques DTFX**

Model: 9853/1

Price upon request !

Tensiometro for use in easily breakable articles, as for example, staple fibres techniques&hellip;



**Tension meter industrial DN1**

Model: 9839/1

Price upon request !

Tensiómetro for use diversified in the texteis industries, staple fibres, wire.



**Tension meter industrial DX2**

Model: 9835

Tensiómetro of use diversified for all the industry branches.



**Yarn tension meter ZF2**

Model: 9832/12

Yarn tension meter, small, light, and handy. Lowest tension to be taken is 0.3 g. Space between guide rollers of 22 mm.



Yarn Tension Meter DXE

Model: 9836/1

Yarn Tension Meter DXE, for narrow sectors of measurement.



Yarn tension meter ZD2

Model: 9833/10

Price upon request !

Yarn tension meter, space between guide rollers of 38 mm.



Yarn tension meter Zivy

Model: 9830/10

Price upon request !

Yarn tension meter for checking yarn tension at winding, beaming, knitting, etc. Priceworthy instrument of solid design, and of high precision, deflection rollers on ball bearings, gauged dial.

