

RT10 and RT10G ROUGHNESS TESTERS

The essential and indispensable



USB connection



The RT10 and RT10G roughness testers are easy to handle and reliable, ideal for measuring details directly on the work islands or in machines production.

The RT10 is suitable for all those needs where it is only necessary to numerically characterize the roughness of the piece under examination, making verification extremely fast.

The RT10 Plus also has a plug-in connector that allows the interchangeability of the probe, ensuring the ability to measure on all surfaces simply by replacing it with the most suitable one.

The RT10G, on the other hand, is enhanced with a bright color display that makes it possible to view graphs as well as numerical results, directly on board. Both instruments are equipped with internal memory and long-lasting battery.



ST2 granite stand, dimensions 630x400 mm - code: 1.401

The ST2 diabase stand, with manual positioning column, allows the positioning of the roughness tester in a stable and permanent way, thus allowing the creation of a fixed control station. This system guarantees maximum measurement comfort, eliminates vibrations from the external environment and protects the instrument from possible bumps and accidental falls. It is possible to complete the equipment of the stand with the sliding micrometric table (code: 1.425), on which it is possible mounting the centering "V" or the vice (code: 3.403).



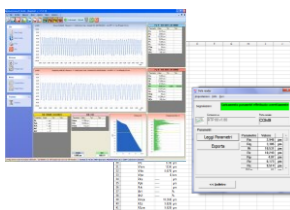
Rotable plug-in probe for 90° measurements as standard

Thanks to the mobile cross, it is possible to rotate the probe in a position perpendicular to the translation movement. This allows you to perform measurements in points that would be difficult to reach (only with SB50 probe, code 1.354). RT10 Plus and RT10G are also equipped with an interchangeable probe with plug-in connector, which offers the possibility of quickly replacing the probe in case of damage, for example, or if there are now more probes for different measurements, the operator can in fact easily change it according to the current measurement requirement.



Remote start button - code: 1.405

When the measurement area becomes difficult to reach, the instrument can be operated remotely. In fact, thanks to the remote measurement start button, the operator can comfortably start data acquisition without necessarily having to see the display or the instrument panel. There are also 100mm extensions available for the probe.



Software for roughness analysis and data export

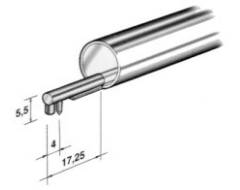
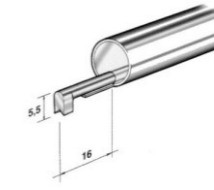
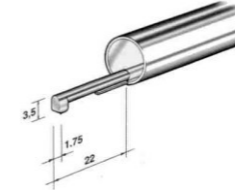
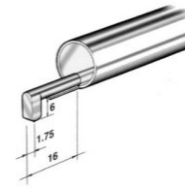
The analysis and sharing of measured data is not a problem thanks to the different software available. Virtual Printer allows you to download the single measurement or the memo on a PC and generate a print report, either in PDF or paper format (Software for downloading and printing data - code: 1.414). Measurement Studio, on the other hand, allows you to obtain the roughness analysis in a complete and professional way. Thanks to the integrated database, it is possible to generate the measurement codes for each detail, and the graphs and statistics are also displayed (Measurement Studio for roughness analysis - code: 1.404).

Probe SB20 - code: 1.351

Probe SB30 - code: 1.352

Probe SB40 - code: 1.353

Probe SB50 - code: 1.354

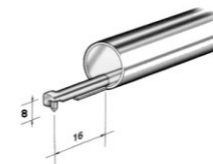


Probe SB110 - code: 1.358

Probe SB120 - code: 1.359

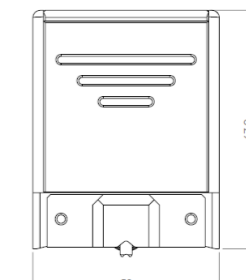
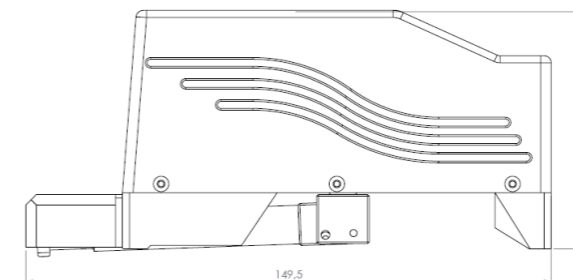
100mm Extension - code: 1.406

90° joint - code: 1.415



Technical data and dimensions

Product code:	RT10 / RT10 Plus (codes: 1.100 / 1.101)	RT10G (code: 1.102)
Measuring range:	±200µm	±300µm
Resolution:	0,001 µm	0,001 µm
Accuracy class:	1° ISO/DIN	1° ISO/DIN
Cut-off length:	0,25 - 0,8 - 2,5 mm	0,25 - 0,8 - 2,5 mm
Number of cut-offs:	Selectable from 1 to 5	Selectable from 1 to 5
Exploration ride:	Up to 16 mm	Up to 16 mm
Probe:	Inductive rotatable by 90° for lateral measurements	Inductive rotatable by 90° for lateral measurements
Measurement parameters:	11 parameters Ra, Rq, Rt, Rz, Rc, RSm, Rmr, Rmax, RPC- Pt, R, AR, Rx	31 parameters Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsm, Rdc, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, RPC, Ppc - Rk, Rpk, Pvk, Mr1, Mr2 - Pt, R, Rx, AR, R3, R3zm, Rmax
Graphs displayed:	-	Roughness, primary profile, lift curve and distribution of tidy
Unit of measure:	Millimeters and inches	Millimeters and inches
Interface:	132x32 monochrome graphic LCD display and 4 waterproof membrane buttons	2-inch TFT color graphic display and 4 side waterproof membrane buttons
Languages:	Italian, French, English, German, Spanish and Portuguese	Italian, French, English, German, Spanish and Portuguese
Memory:	Up to 1000 mesures	Up to 1000 mesures
Standard equipment:	RT10 roughness tester, 110-230V battery charger, adjustment plates, 8mm diameter tail piece for mounting on the stand, roughness sample, transport case, user manual	RT10G roughness tester, 110-230V battery charger, adjustment plates, 8mm diameter tail piece for mounting on the stand, roughness sample, transport case, user manual

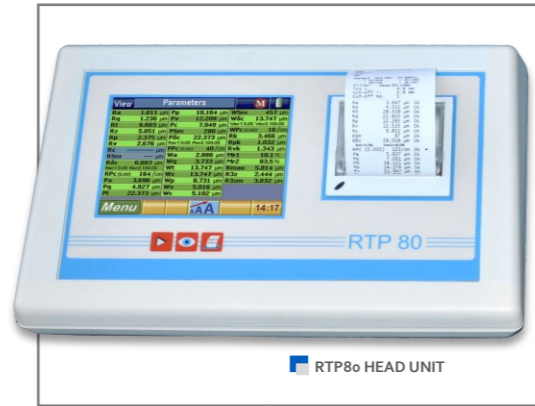


RTP80 ROUGHNESS TESTER

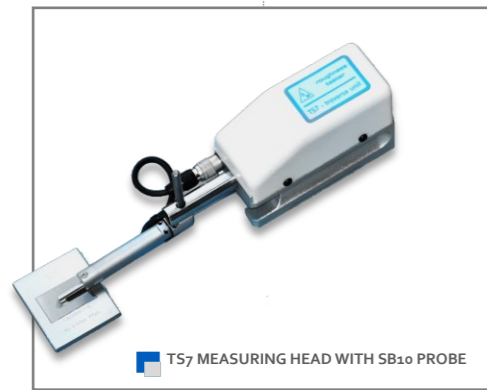
Linear and radial roughness



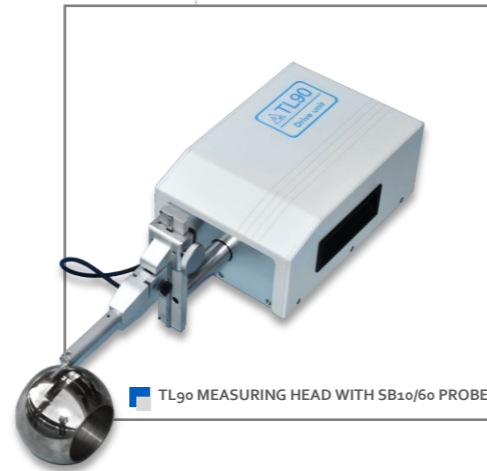
USB connection



RTP80 HEAD UNIT



TS7 MEASURING HEAD WITH SB10 PROBE



TL90 MEASURING HEAD WITH SB10/60 PROBE

Thanks to its easy handling and ease of use, the RTP80 roughness tester allows to perform the characterization of even the most complex surfaces in an easy and intuitive way.

The bright 5.7" color touch screen display combined with the icon interface allows the operator to quickly set the measurement parameters, position himself on the piece and perform the analysis.

The results obtained with the relative tolerances are immediately ready to be printed through the thermal printer integrated in the instrument. The graphs and parameters are all interactive to allow the operator to customize the presentation of the results. The RTP80 is suitable both for production environments, where it is possible to password protect the measurement settings for batch control, and for use in the metrology room where statistical analyzes can also be performed on the measurements made.

The RTP80 calculation unit can be combined with a series of measurement translators for the different types of parts.

TRANSLATOR TS7

The TS7, a small, compact and easy to handle sideshift, allows you to perform measurements even in the most difficult conditions, by holding it simply with one hand. The probe can be rotated by 90° and adjustable in height, can be folded inside to measure curved details. The maximum useful stroke is 16 mm.

TRANSLATOR TL90

The TL90 professional sideshift adopts an innovative rackless micrometric that allows you to position yourself on the piece with maximum precision with a useful range of 110 mm.

The probe is equipped with a plug-in connector to allow its quick change. Furthermore, thanks to the bistable system, it is possible to carry out measurements with and without shoe thanks to the SB10/60 probe and the internal reference for extremely precise mechanics that allows the evaluation of W parameters.

User friendly interface

Measurement Studio software - code: 1.404

Upside down and transverse measurement



Technical data

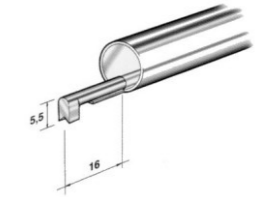
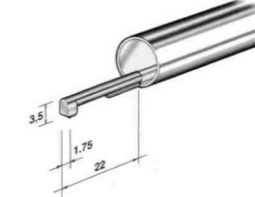
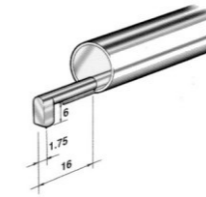
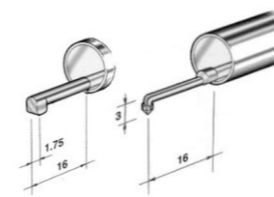
Product code:	RTP80 + TS7 (code: 1.103 + 1.200)	RTP80 + TL90 (code: 1.103 + 1.201)
Measuring range:	±250µm	±500µm
Resolution:	0,001 µm	0,001 µm
Accuracy class:	1° ISO/DIN	1° ISO/DIN
Cut-off length:	0,25 - 0,8 - 2,5 - 8 mm	0,25 - 0,8 - 2,5 - 8 mm
Number of cut-offs:	Selectable from 1 to 5	Selectable from 1 to 19
Exploration ride:	Up to 16 mm	Up to 16 mm
Probe:	Inductive rotatable by 90° for lateral measurements	Inductive rotatable by 90° for lateral measurements
Printer:	Integrated thermal printer	Integrated thermal printer
Measurement parameters:	54 parameters (Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsk, Rku, Rsm, Rdc, RPl, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, Ppc, Wa, Wq, Wt, Wz, Wp, Wv, Wc, Wsm, Wdc, WPl, Rk, Rpk, Pvk, Mr1, Mr2, Pt, Pdc, Ppc, R, Rx, AR, Wte, W, AW, Wx, Rke, Rpk, Rvke, Mr1e, Mr2e Rmax, R3z, R3zm)	
Graphs displayed:	Roughness, undulation, primary, total, lift curve and ordinate distribution.	
Unit of measure:	Millimeters and inches	
Interface:	5,7-inch TFT touch screen color graphic display and 3 waterproof membrane buttons	
Languages:	Italian, French, English, German, Spanish and Portuguese	
Memory:	Up to 1000 measurements	
Standard equipment:	RTP80 roughness tester, translator (TS7 or TL90), 110-230V battery charger, roughness specimen, transport case, user manual	
TRANSLATORS:		
TS7 Code: 1.200	Compact and handy sideshift, it allows you to perform measurements in the most difficult conditions by simply holding it with one hand. Maximum stroke of 25 mm	
TL90 Code: 1.201	Professional translator with internal metrological reference that allows to characterize the W ripple parameters. Positioning micrometer on the piece with 110mm excursion, bistable nose piece for measurements with and without shoe. Maximum stroke of 50 mm.	

Probe SB10/60 - code: 1.350

Probe SB20 - code: 1.351

Probe SB30 - code: 1.352

Probe SB40 - code: 1.353

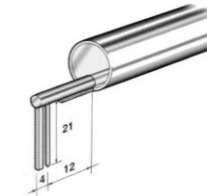
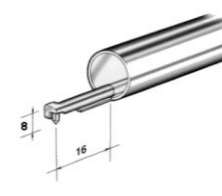
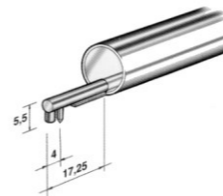


Probe SB50 - code: 1.354

Probe SB110 - code: 1.358

Probe SB120 - code: 1.359

Probe SB120s - code: 1.360



ST2 granite stand 630x400mm - code: 1.401

ST3 stand 800x400 mm - code: 1.413

ST4 motorized stand - code: 1.418

