



# BEARING & TOOL CENTRE



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## Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

### Quotation

109 – 1	Surface Roughness Tester - Matrix+ @ With 10% Discount	Code	Rs	Catalog
1	“ MICROSURF 10 “ Ra , Rz	MICROSURF 10	56000	Page – 2
2	“ SURFTEST 10 “ Ra , Rz	SURFTEST 10	55000	Page – 3
4	“ MICROSURF 10 “ PC Interface RS 232C + USB Adaptor + Software		3600	Page – 2
5	Precision Refrence Standard ( Test Piece ) STEEL For Microsurf 10		7000	Page – 2
6	Precision Refrence Standard ( Test Piece ) GLASS For Microsurf 10		9000	Page – 2
7	Standard Sensor For Microsurf 10		20000	Page – 2
8	Extension Adaptor For Microsurf 10		9000	Page – 2

### Terms & Conditions –

- ✚ Goods offered - Subject to Prior Sale
- ✚ Price Validity: "15 Days from Date of Quotation"
- ✚ C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- ✚ VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- ✚ Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- ✚ **Bank Detail** – Kotak Mahindra Bank Ltd.
- ✚ **Branch** – Shivranjini
- ✚ **Bank IFSC Code** - KKBK 0000 810
- ✚ **Bank Account No.** 08102 00000 2689
- ✚ Note - While making payment online do mention your Company's name.
- ✚ TIN NO 24070901229 , CST No. 24570901229
- ✚ We are looking forward to your valued orders.

Surface Roughness Tester "MICROSURF 10A" High accuracy Inductive Transducer, cross-section LCD display, man-machine conversation, intuitive interface, easy operation. Can store the latest 7 groups measurements.



### Product Description

- Widely used in production site to measure surface roughness of various machine-processed parts calculate Corresponding and clearly display the measuring parameter.

### Product Features

- Multi Parameter measurement: Ra, Rq, Rz, Rt.
- Use DSP chip control and Data processing, high speed, low power consumption LCD digital backlit display.
- Can be measured in several parts of the surface roughness Planar, Curve surface, small hole, slot of the Irregular surface.
- Can communicate with PC computer for statistics and printing by the optional cable and software RS 232C
- Design of electromechanical integration, small volume, light weight, convenient with measuring value storage.
- Built in Re-chargeable battery.
- Auto power off
- Optional Adaptor Sleeve, Deep Groove Sensor, USB, RS 232 for PC Connection.

### Technical Specification

<b>Standard</b>	ISO 4287 International Standard, DIN 4768 German Standard JISB 601 Japanese Standard, ANSI B46.1 American Standard	
<b>Measuring Range</b>	Ra, Rq	0.005 ~ 16.00μm / 0.020 ~ 629.9μinch
	Rz, Rt	0.020 ~ 160.0μm / 0.078 ~ 6299μinch
<b>Accuracy</b>	Not more then $\pm 10\%$	
<b>Resolution</b>	0.001μm Reading < 10μm 0.01μm $\leq$ 10μm if reading < 100μm 0.1μm if reading $\leq$ 100μm	
<b>Fluctuation of Display value</b>	Not more than $\leq 6\%$	
<b>Profile Digital Filter</b>	Filter contour	RC, PC-RC, GAUSS
	Non- filter contour	D-P
<b>SENSOR</b>	Test Principle	Induction Type
	Radius of Probe PIN	10μm Default 2μm
	Material of probe PIN	Diamond
	Measurement force of Probe	16mN(1.6gF) for 10μm & 0.75mN ( 0.075gf) for 2μm
	Probe Angle	90°
	Vertical Radius of Guiding Head	48mm
	Maximum Driving Stroke	17.5mm / 0.7 inch
	Cut off Length(/)	0.25mm / 0.8mm / 2.5mm
<b>Driving Speed</b>	When Measuring	Vt = 0.135mm/s If sampling Length = 0.25mm Vt = 0.5mm/s If sampling length = 0.8mm Vt = 1mm/s If sampling length = 2.5mm
	Return	Vt = 1mm/s
<b>Probe Measuring range</b>	+ 80μm	
<b>Evaluation Length</b>	1 ~ 5L Selectable	
<b>Metric / Imperial</b>	Conversion	
<b>Power</b>	Li-ion Re-chargeable battery	
<b>Working Environment</b>	Temperature	0~50°
	Humidity	<85%
<b>Standard Accessories</b>	Standard Probe, Standard Sample Plate, power Adaptor, Adjustable Leg, Sheath of Sensor, Manual	
<b>Optional Accessories</b>	USB + Software for PC Connectivity, Adaptor Sleeve (Extension Rod), Deep groove Sensor.	

# Metrix+™

*Innovative Excellence*

Surface Roughness Tester "SURFTEST 10" High accuracy Inductive Transducer, cross-section LCD display, man-machine conversation, intuitive interface, easy operation. Can store the latest 7 groups measurements.



## Surface Roughness Tester Mod: SURFTEST 10



### Product Description

Widely used in production site to measure surface roughness of various machine-processed parts calculate Corresponding and clearly display the measuring parameter.

### Product Features

- Parameter measurement: Ra, Rz, with Extended Cable Probe.
- Use DSP chip control and Data processing, high speed, low power consumption LCD digital backlit display.
- Can be measured in several parts of the surface roughness Planar, Curve surface, small hole, slot of the Irregular surface.
- Can communicate with PC computer for statistics and printing by the optional cable and software RS 232C
- Design of electromechanical integration, small volume, light weight, convenient with measuring value storage.
- Built in Re-chargeable battery. Auto power off
- Optional Adaptor Sleeve, Deep Groove Sensor, USB, RS 232 for PC Connection.

### Technical Specification

<b>Standard</b>	ISO 4287 International Standard, DIN 4768 German Standard JISB 601 Japanese Standard, ANSI B46.1 American Standard	
<b>Measuring Range</b>	Ra	0.05-10.00µm / 1.000~400.0µinch
	Rz	0.1-50.0µm / 4.000~2000µinch
<b>Accuracy</b>	Not more then $\pm 15\%$	
<b>Resolution</b>	0.001µm Reading < 10µm	
	0.01µm $\leq$ 10µm if reading < 100µm	
	0.1µm if reading $\leq$ 100µm	
<b>Fluctuation of Display value</b>	Not more than $\leq 10\%$	
<b>Profile Digital Filter</b>	Filter contour	RC, PC-RC, GAUSS
	Non- filter contour	D-P
<b>SENSOR</b>	Test Principle	Induction Type
	Radius of Probe PIN	10µm Default
	Material of probe PIN	Diamond
	Measurement force of Probe	16mN(1.6gF) for 10µm & 0.75mN ( 0.075gf) for 2µm
	Probe Angle	90°
	Vertical Radius of Guiding Head	48mm
	Maximum Driving Stroke	12.5mm / 0.5 inch
	Cut off Length(/)	0.25mm / 0.8mm / 2.5mm
<b>Driving Speed</b>	When Measuring	Vt = 0.135mm/s If sampling Length = 0.25mm
		Vt = 0.5mm/s If sampling length = 0.8mm
		Vt = 1mm/s If sampling length = 2.5mm
Return	Vt = 1mm/s	
<b>Probe Measuring range</b>	+ 80µm	
<b>Evaluation Length</b>	1 ~ 2 Selectable	
<b>Metric / Imperial</b>	Conversion	
<b>Power</b>	Li-ion Re-chargeable battery	
<b>Working Environment</b>	Temperature	0~50°
	Humidity	<85%
<b>Standard Accessories</b>	Standard Sensor, Extended Cable Probe, Standard Sample Plate, power Adaptor, Adjustable Leg, Manual	
<b>Optional Accessories</b>	USB + Software for PC Connectivity, Adaptor Sleeve (Extension Rod), Deep groove Sensor.	