

# Accessories

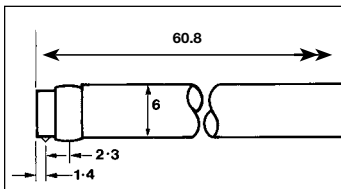
## Surface Roughness Tester and Accessories

Cat. No.	EDP	Description
SR300	21000	SR300 display and 17.5mm traverse unit, TalyProfile Lite software pick-up and diamond stylus, calibration standard, manual and carrying case
SR400	21001	SR400 display and 25mm traverse unit, TalyProfile Lite software and pick-up diamond stylus, calibration standard, manual and carrying case
SR-112-1510	20961	7.875"/200mm Extension Rod with Lead
SR-112-1534	20962	Reference Standard
SR-112-1517	20963	Support Stand
SR-112-2693	20964	Column and Stand
SR-112-1502	20956	Standard Pickup with 200 $\mu$ " / 5 $\mu$ m Stylus
SR-112-1503	20957	Standard Pickup with 400 $\mu$ " / 10 $\mu$ m Stylus
SR-115-P28495	21004	Small Bore Pickup
SR-112-1505	20959	Right Angle Pickup
SR-112-1506	20960	Recess Pickup
SR-112-3680	20952	TalyProfile Gold - 2D Analysis Software w/cable
SR-112-3681	20953	TalyProfile Silver - 2D Analysis Software w/cable
SR-K509-1578	20954	TalyProfile 8'/2.5m Cable
SR-K509-1820	20955	TalyProfile 5'/1.5m Cable
SR-112-4570	21002	USB Thermal Printer
SR-112-4571	21003	Thermal Paper



# Dimensions

Measurement capability		SR300	SR400
Gauge	Range	200 µm 100 µm 10 µm	400 µm 100 µm 10 µm
	Resolution	100 nm 20 nm 10 nm	50 nm 10 nm 5 nm
	Noise floor (Ra)	250 nm 150 nm 100 nm	150 nm 100 nm 50 nm
	Repeatability (Ra)	1 % of value + noise	0.5 % of value + noise
	Pickup type	Inductive	
	Gauge force	150-300 mg	
	Stylus tip radius	5 µm (200 µin) default / 2 µm (80 µin) or 10 µm (400 µin) optional	
	Measurement type	Skidded	
Calibration	Process	Automated software calibration routine	
	Standards	Able to calibrate to ISO 4287 roughness standards	
Analysis	Filter cut-off	0.25 mm / 0.8 mm / 2.5 mm	
	Filter type	2CR / Gaussian	
	Evaluation length	0.25 mm - 12.5 mm (0.01 in - 0.49 in)	0.25 mm - 25.0 mm (0.01 in - 0.89 in)
	Max X axis range	17.5 mm	25.5 mm
Speed	Measuring speed	1 mm / sec (0.04 in / sec)	
	Returning speed	1.5 mm / sec (0.06 in / sec)	



### Standard Pick-up

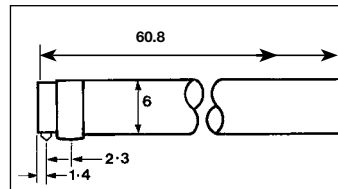
For general surface roughness measurement

**code SR-112-1502**

(5 µm tip radius)

**code SR-112-1503**

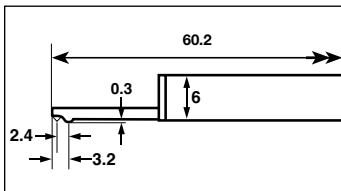
(10 µm tip radius)



### Right Angle Pick-up

For measurement at right angles to the direction of traverse

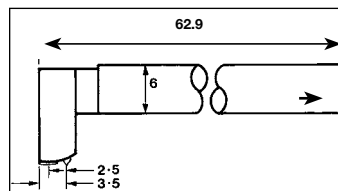
**code SR-112-1505**



### Small Bore Pick-up

For general use in small bores, grooves and on narrow surfaces

**code SR-115-P28495**



### Recess Pick-up

For measuring into deep recesses

**code SR-112-1506** recess 5.7 mm (0.23 in)

Analysis capability		SR300	SR400
Parameters	Standards	ISO 4287, ISO 13565-1, ISO 13565-2, ASME 46.1, JIS 0601, N31007	
	ISO basic	Ra, Rv, Rp, Rz, Rt, Rq, Rsk, Rmr, Rdq, Rpc, RSm, Rz1max	
	ISO advanced	Optional	Rk, A1, A2, Mr1, Mr2, Rpk, Rvk
	ASME	Ra, Rv, Rp, Rz, Rt, Rq, Rsk, Rdq, RSm, Rpm, Rda	
	JIS	Ra, Rv, Rp, Rz, Rt, Rq, Rsk, Rmr, Rdq, RSm, RzJIS, Rc, Rku, Rdc	
	Other	R3z (Daimler Benz)	
	ISO Primary	Optional	Pa, Pv, Pp, Pz, Pt, Pq, Psk, Pmr, Pdq, Ppc, PSm, Pz1max
	Units	µm / µin	

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**Bulletin 398**

09/13 2.5M/Q

Specifications subject to change.

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