

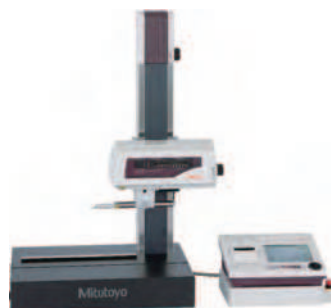
Surftest SV-2100

Series 178 - Surftest SV-2100

- These instruments meet the highest requirements regarding the measurement of surface texture. They are designed for use in workshops and are equipped with a computer with a colour touch-screen display and built-in printer.
- Compliant with DIN EN ISO, VDA, JIS and ANSI standards.



SV-2100M4



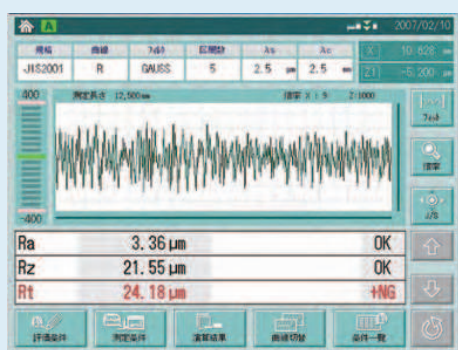
SV-2100S4

Specifications

Drive unit	
Measuring range	100 mm
Resolution	0,05 mm, Z2-axis : 1 µm
Scale	Linear encoder, Z2-axis : linear encoder ABS
Drive speed	0 - 40 mm/s Z2-axis : 0 - 20 mm/s
Measuring speed	0,02 - 5 mm/s
Traverse straightness	0,15 µm / 100 mm
Detector	
Measuring range	800 µm/0,01 µm, 80 µm/0,001 µm, 8 µm/0,0001 µm
Type	Differential inductance
Control Unit	
Display	7.5" colour TFT with backlight
Printer	Built-in thermal type
Drive unit control	Joystick operation with manual adjustment knob

Optional accessories

No.	Description
172-142	Centre support
172-143	Centre support riser
172-234	V-block with clamp (Max. workpiece ø50 mm)
181-902-10	Hardened V-Block
998291	Precision V-block
Steps	
178-611	Reference step specimen
178-610	Step gauge (1, 2, 5, 10 µm)
178-604	Roughness specimen 0,5/3 µm
Tables	
218-001	Cross-travel table XY range : 100x50 mm
178-042-1	Digitatic XY leveling table 25x25 mm
178-043-1	XY leveling table 25x25 mm
178-089	Stand 400x250x578 mm
Vices	
218-003	Rotary vice (heavy-duty type)
172-144	Rotary vice (Max. workpiece ø60 mm)
178-019	Precision vice



Preview



SV series brochure on request

SV-2100M4 model

Vertical travel : 350 mm manual column
 Granite base size (WxD) : 600 x 450 mm
 Dimensions (main unit WxDxH) : 716 x 450 x 863 mm
 Mass : 144 kg

No.	Detector measuring force	Stylus Tip angle	Stylus Tip radius	Note
178-636-01D	0,75 mN	60°	2 µm	
178-636-02D*	4 mN	90°	5 µm	
178-637-01E*	0,75 mN	60°	2 µm	UK only
178-637-02E*	4 mN	90°	5 µm	UK only

SV-2100S4 model

Vertical travel : 350 mm power column
 Granite base size (WxD) : 600 x 450 mm
 Dimensions (main unit WxDxH) : 766 x 482 x 966 mm
 Mass : 147 kg

No.	Detector measuring force	Stylus Tip angle	Stylus Tip radius	Note
178-680-01D*	0,75 mN	60°	2 µm	
178-680-02D*	4 mN	90°	5 µm	
178-681-01E*	0,75 mN	60°	2 µm	UK only
178-681-02E*	4 mN	90°	5 µm	UK only

SV-2100H4 model

Vertical travel : 550 mm power column
 Granite base size (WxD) : 600 x 450 mm
 Dimensions (main unit WxDxH) : 766 x 482 x 1166 mm
 Mass : 157 kg

No.	Detector measuring force	Stylus Tip angle	Stylus Tip radius	Note
178-682-01D	0,75 mN	60°	2 µm	
178-682-02D*	4 mN	90°	5 µm	
178-683-01E*	0,75 mN	60°	2 µm	UK only
178-683-02E*	4 mN	90°	5 µm	UK only

SV-2100W4 model

Vertical travel : 550 mm power column
 Granite base size (WxD) : 1000 x 450 mm
 Dimensions (main unit WxDxH) : 1166 x 482 x 1176 mm
 Mass : 227 kg

No.	Detector measuring force	Stylus Tip angle	Stylus Tip radius	Note
178-684-01D*	0,75 mN	60°	2 µm	
178-684-02D*	4 mN	90°	5 µm	
178-685-01E*	0,75 mN	60°	2 µm	UK only
178-685-02E*	4 mN	90°	5 µm	UK only