

Technical Specifications Contracer manual

Measuring instrument		CV 1000 N2	CV 2000 M4	CV 2000 S4
Measuring range	X axis	50 mm	100 mm	100 mm
	Z axis	25 mm	40 mm	40 mm
Linear displacement accuracy	X axis	$(3,5+2L/100) \mu\text{m}$	$(3,5+2L/100) \mu\text{m}$	$(3,5+2L/100) \mu\text{m}$
	Z axis	$(3,5+ 4H /25) \mu\text{m}$	$(3,5+ 4H /25) \mu\text{m}$	$(3,5+ 4H /25) \mu\text{m}$
Traverse linearity	X axis	3,5 μm / 50 mm	3,5 μm / 100 mm	3,5 μm / 100 mm
Resolution	X axis	0,2 μm	0,2 μm	0,2 μm
	Z axis	0,4 μm	0,5 μm	0,5 μm
Measuring method	X axis	Glass Scale Glass scale (Arc Scale)		
	Z axis			
Standard stylus	Carbide, tip radius 25 μm , tip angle 12°			
Measuring speed	0,2 mm/s, 0,5 mm/s			
Drive speed	0,2 mm/s, 1mm/s	* 0,2 und 1mm/s	* 0,2 und 1mm/s	
Measuring force	10 bis 30 mN	10 bis 30 mN	10 bis 30 mN	
Data transfer	USB			
Stand	Option	Standard accessory		
Granite base	600 mm x 450 mm		610 mm x 450 mm	
Inclination of drive unit	$\pm 45^\circ$			
Column moving range	manual 320 mm	manual 320 mm	powered 250 mm	
Drive speed			1mm/s, 5mm/s	
Measuring instrument mass	5 Kg			
Mass including stand	115 Kg	116 Kg	126 Kg	