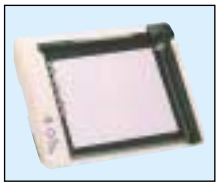
Contracer CP-200/400









For further information request Catalog No. US4112 (4).

Specifications

Contracer CP-200/400

Model Order No.**		CP-200 218-821A (120V AC)	CP-410 218-841A (120V AC)
Traceable Range	X-axis	2"	4"
	Z-axis	.7"	1.57"
Magnification	X-axis	1X, 2X, 5X, 10X, 20X, 50X, 100X	1X, 2X, 5X, 10X, 20X, 50X, 100X, 200X
	Z-axis	1X, 2X, 5X, 10X, 20X, 50X, 100X	1X, 2X, 5X, 10X, 20X, 50X, 100X, 200X
Scale Unit	X-axis	Precision glass linear scale	
	Z-axis	Deferential inductance type	
Measuring Accuracy*	X-axis	±(197 + 39.3L/2)µin	±(197 + 78.6L/4)µin
	Z-axis	±(29500/Z)µin	±(29500/Z)µin
Vertical travel of drive unit		—	12.6"
Inclination range of drive unit		—	±45°
Traverse direction		Retractive	
Straightness		197µin/2"	157µin/4"
Stylus traceable angle		Ascent: 77° (depending on the workpiece surface condition) Descent: 87° (depending on the workpiece surface condition)	
Stylus speed		0.2mm/s (.008"/s) or 0.5mm/s (.02"/s) for tracing 0.5mm/s (.02"/s) or manual feeding for retracing	
Stylus vertical movement		Circular movement (with digital linear compensation)	
Stylus tip orientation		Downward	
Measuring force		10–30mN (1–3gf) when using a straight arm	
Digital data output		Via RS-232C interface	
Operating temperature		15°C–25°C	
Power supply		Via AC adapter (120V AC±10%) or battery pack (optional)	
Power consumption		40W	
Dimensions	Main unit	20.67 x 4.84 x 7.4"	23.62 x 13.78 x 28.66"
(W x D x H)	Electronic unit	10.24 x 7.56 x 3.35"	10.24 x 7.56 x 3.35"
Mass	Main unit	9.24 lbs.	136.84 lbs.
	Electronic unit	4.4 lbs.	4.4 lbs.

* L = measured length in mm (or inch), Z = magnification of the Z-axis (Z = 5 for 1X, 2X, 5X)
** Optional Plotter (Order No. **54AAA500A**) or Formpak 1000 System will be required to operate CP-200 and CP-410.

Mitutoyo