



Metrology Systems

SONEKO

Profilometer PGS100

The best way to measure



www.sm-instruments.com



3 AXIS POSITIONER

Code: 3.400

Allows loading and unloading operations of the piece and its positioning, since it features 3 axes: translation along X and Y axes and rotation around the Z axis.



4 AXIS POSITIONER

Code: 3.401

The positioner features 4 levels of movement: translation along X- Y axes, rotation around the Z axis and tilting around the X axis to tilt pieces (+/-30°).



VICE

Code: 3.403

Helps locking the piece and it is ready to be anchored to the 3 or 4-axis positioner. Precision vice made in steel and ground on all sides, jaw length of 60 mm, tightening up to 42 mm.



CALIBRATION SPECIMEN

Code: 6.300

Specimen used to calibrate the machine, dimensions 45x45 mm and radius 3mm, with certificate.



MEASURING ARM

Code: 3.305

Measuring carbon arm, with 32mm chisel tip.



MINIATURIZED ARM

Code: 3.304

Measuring carbon arm, with chisel tip, for small holes (min Ø 8mm)



ECCENTRIC ARM

Code: 3.308

Measuring carbon arm with extension to 90° x 50mm with 32mm chisel tip.

PROBE

Chisel (15° ; r = 20 µm)

Tip 21 mm - Code 3.300

Tip 31 mm - Code 3.301

Tip 41 mm - Code 3.302

Tip 51 mm - Code 3.303

Spherical:

Ruby Ø1 - h32mm - Code 3.307

Ruby Ø2 - h32mm - Code 3.309

Ruby Ø1 - h32mm - Code 3.306

Ruby Ø2 - h32mm - Code 3.310



TECHNICAL DATA

Unit system:

Evaluation length (X):

Range of measure (Z):

Column (Y):

Sampling interval (X):

Work surface:

Axis Z resolution:

Positioning speed:

Measuring speed:

Radius tip:

CNC function:

Connection type:

Language:

Dimensions (L x D x H):

Total weight:

Power supply:

Working temperature:

Software:

Millimeters and inches

130 mm (5,12 in)

50 mm (1,97 in)

320 mm (12,6 in) manual positioning

0,5 µm (0,02 µin)

Aluminum with "T" cave of 500 mm x 10 mm (20 in x 0,4 in), profundity 14 mm (0,55 in).

0,2 µm (0,008 µin)

0-10 mm/s (0-7 in/s)

From 0,2 mm/s to 2 mm/s (from 0,008 in/s to 0,08 in/s)

20 µm (0,8 µin)

CNC automatic measuring and positioning cycle with auto-comparing function

USB interface for connecting to Windows® PC

English, French, Italian, German, Spanish, Portuguese and Slovenian

1030 x 410 x 660 mm (41 x 16 x 26 in)

34 kg (75 lbs)

110-240 V ; 50-60 Hz

15 - 25°C (59 - 77°F)

Profile Studio Basic