



PRECISION VISES & ROTARY TABLES

Tool Pre-Setter

MODEL

- 06030030 SPT-300×30
- 06030040 SPT-300×40
- 06030050 SPT-300×50
- 06040030 SPT-400×30
- 06040040 SPT-400×40
- 06040050 SPT-400×50

FEATURES:

1. Checking and presetting of various type of tools
2. Positive measuring results by east manipulation
3. Compact construction, incorporating the sylvac measuring system
4. The rotating tool carrying spindle unit simulates ISO tapes mounting

INSTRUMENT CONSTRUCTION

1. Cast iron base, steel column with hardened ground stainless steel guide-ways
2. Conter-balanced measuring carriage including an horizontal arm for measuring in X-coordinate.
3. Knurled knobs for the displacement of the carriage activating a friction measuring pressure. Displacement of the measuring arm by a sliding movement. Measuring pressure set through a tension spring.
4. Incorporated SYLVAC measuring system on either coordinate.
5. Tool carrying spindle unit simulating ISO taper mounting. Fixing device for one position. Locking of the spindle at any point of rotation.
6. Transport handles. Possibility to fix instrument on a bench.

Co-operation with
TRIMOS
Switzerland

SWISS
QUALITY



OPERATING MODES

1. Selection of resolution
2. Zero setting at any position of the measuring carriage or the horizontal arm
3. mm/inch selection
4. Two reference datums(REF I/REF II)
5. Input of preset values and recall
6. Min/max memory (display of delta)
7. Setting and display of tolerance limits
8. HOLD display function
9. Data transmission (RS232 compatible, half-duplex)
10. Display of radius and diameter value in X-axis.

EACH INSTRUMENT IS SUPPLIED AS FOLLOWS:

Instrument according to specifications including a probe holder and measuring insert with flat tungsten carbide surfaces(SPT02)-two lithium batteries, 3V-protection cover instructions for use test and guarantee certificate.

	SPT-300-ISO 50/40/30	SPT-400-ISO 50/40/30
Measuring range	X=100mm/4", Z=300mm/12" Max. dia 200mm/8"	X=150mm/6", Z=400mm/16" Max. dia 300mm/12"
Resolution	0.01 mm/0.01 mm .0005"/.00005"	0.01 mm/0.01 mm .0005"/.00005"
Accuracy	X=0.010mm/.0004", Z=0.020mm/.0008"	X=0.01mm/.0004", Z=0.025mm/.00010"
Repeatability	0.005mm/.0002"(+/-2s)	0.005mm/.0002"(+/-2s)
Concentricity of the spindle unit related to the axis of the ISO location, max. error	0.02mm/.0008" over 300 mm/12"	0.025mm/.001" over 400mm/16"
Squareness of measuring arm in relation to ISO location, max. error	0.015mm/.0006" over 300 mm/12"	0.02mm/.0008" over 400 mm/16"
Max. displacement speed of measuring carriage and measuring arm	1 m/sec. (40"/sec)	1m/sec. (40"/sec)
Measuring force	X-coord.=1N, Z-coord, =2N	
Measuring unit	metric/inch (direct conversion)	
Measuring system	patented sylvac measuring system	
Digital display	LCD display: sign(-), 6 digits (7inch mode). height of digits: 8.5 mm/.33", indication for active functions	
Power supply	2lithium batteries, 3V, type CR2032, capacity 190 mAh	
Working temperature	+5° to +40° C / +41 to 104F	
Date output	RS232 compatible	
Interface	RS232 compatible interface cable with opto-electronic coupler	
Weight	21kg/46.30 lbs	35kg/75 lbs