

## Sylvac Probes



*Micron accuracy without sacrificing range!*

- Probes are made of stainless steel, heavily chrome-plated and supplied with 5' cable and standard carbide contact point .078"/2mm ball diameter. The friction bearing design provides smooth measuring for exceptional accuracy. Probes are shock-proof and unaffected by magnetism or humidity.
- Accessories include boots, points, lifting levers, foot pedal lifters, stands, stages and extra-length cable. Water-resistant probes, special cables up to 75' (20m) for all Sylvac probes, and a variety of measuring forces are available. Contact our Technical Staff for quotations.
- Coefficient of thermal expansion:  $0.01\mu\text{m}/^\circ\text{C}$
- Temperature Range:  $0-50^\circ\text{C}$
- Cable Length: 5'/1.5m
- Contact Point Thread: M2.5
- Probes used with any Fowler/Sylvac Display or Multiplexer.

Part Number	Meas. Range	Meas. Force	Repeatability	Maximum Error	Cable Angle	Vacuum	Boot
54-618-345	2mm	.6-.75N	.00001"/.2 $\mu\text{m}$	.00003"/.8 $\mu\text{m}$	straight	no	yes
54-618-346	2mm	.6-.75N	.00001"/.2 $\mu\text{m}$	.00003"/.8 $\mu\text{m}$	right	no	yes
54-618-350	5mm	.6-1.2N	.00001"/.2 $\mu\text{m}$	.00004"/1 $\mu\text{m}$	straight	no	yes
54-618-355	5mm	.6-1.2N	.00001"/.2 $\mu\text{m}$	.00004"/1 $\mu\text{m}$	straight	yes	yes
54-618-360	5mm	.6-1.2N	.00001"/.2 $\mu\text{m}$	.00004"/1 $\mu\text{m}$	right	no	yes
54-618-365	5mm	.6-1.2N	.00001"/.2 $\mu\text{m}$	.00004"/1 $\mu\text{m}$	right	yes	yes
54-618-400	10mm	.6-.8N	.00001"/.2 $\mu\text{m}$	.00004"/1 $\mu\text{m}$	straight	no	no
54-618-444	10mm	.6-.8N	.00001"/.2 $\mu\text{m}$	.00004"/1 $\mu\text{m}$	right	no	no
54-618-500	25mm	.6-1N	.00001"/.2 $\mu\text{m}$	.00005"/1.2 $\mu\text{m}$	straight	no	no
54-618-700	50mm	.5-1.1N	.00002"/.4 $\mu\text{m}$	.0001"/2.5 $\mu\text{m}$	straight	no	no

