

Fred V. Fowler Company, Inc.



Sylvac Probes



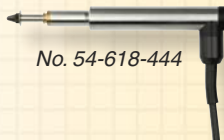
No. 54-618-700



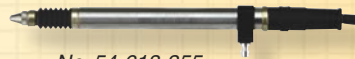
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No. 54-618-400



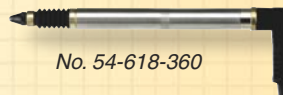
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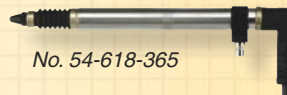
No. 54-618-355



No. 54-618-350



No. 54-618-360



No. 54-618-365



Fowler/Sylvac probes with Swiss-patented Sylvac electronics come in 8 styles. Choose from four measuring ranges—.2" (5mm), .400"(10mm), 1"(25mm) or extra-long range 2" (50mm). Standard, right-angle and vacuum units are available.

Fowler now offers Sylvac probes with Swiss-patented Sylvac electronics in 8 styles. Choose from four measuring ranges—.2" (5mm), .400"(10mm), 1"(25mm) or extra-long range 2" (50mm). Standard, right-angle and vacuum lift units are available.

Built-in capacitive transducers provide absolute and comparative measurements. Absolute measurement means that the measured value corresponds to the mechanical datum of the probe; this remains constant—even with the power shut off. Comparative measurements allow the zero reference to be set at any point within the range.

Probes are made of stainless steel, heavily chrome-plated and supplied with 5' waterproof cable and standard carbide contact point .078"/2mm ball dia. 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 (a waterproof connector allows interchange of cables).

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.



Specifications	No. 54-618-350/355 & No. 54-618-360/365	No. 54-618-400/444	No. 54-618-500	No. 54-618-700
Linear measuring range	.2" (5mm)	.4" (10mm)	1" (25mm)	2" (50mm)
Measuring force	0.6-1 N	0.6-0.9 N	0.6-1.2 N	0.6-1.4 N
Increase of measuring force	0.04 N/mm	0.03 N/mm	0.024 N/mm	0.016 N/mm
Permissible lateral force	0.7 N	0.6 N	0.3 N	0.25 N
Repeatability (±2s)	.00001"/.0003mm	.00001"/.0002mm	.00001"/.0002mm	.00002"/.0004mm
Coefficient of thermal expansion	.01µm/°C	.02µm/°C	.01µm/°C	.01µm/°C
Temperature range	0-50° C	0-50° C	0-50° C	0-50° C
Cable length	5' (1.5m)	5' (1.5m)	5' (1.5m)	5' (1.5m)
Contact point thread	M2.5	M2.5	M2.5	M2.5

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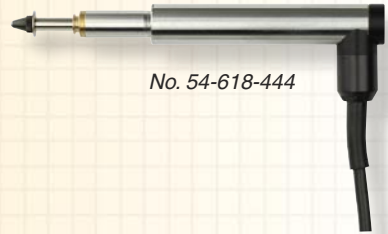
Sylvac Probes



No. 54-618-700



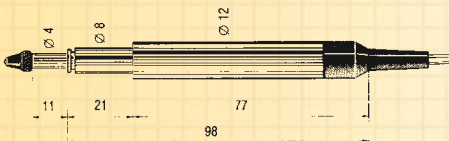
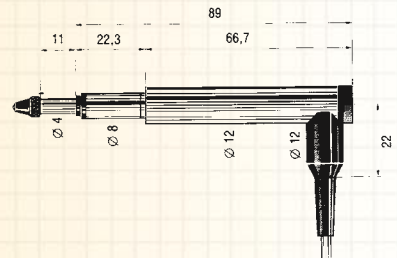
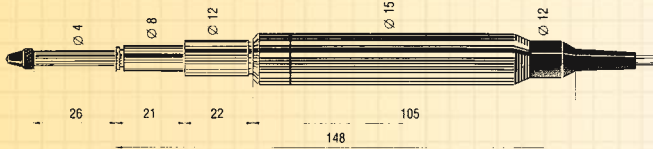
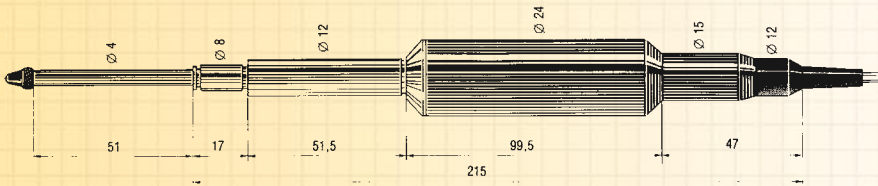
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No. 54-618-444

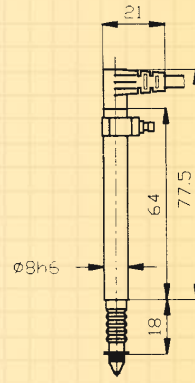
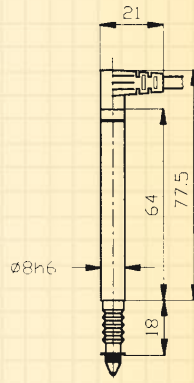
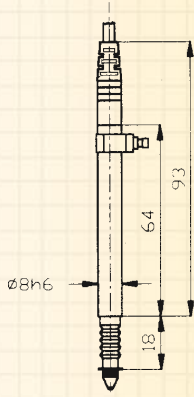
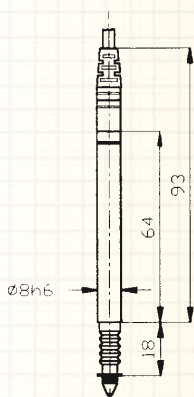
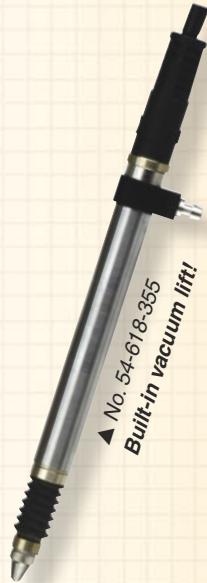


No. 54-618-400



Fred V. Fowler Company, Inc.

Fowler Sylvac Probes



▲ Probes No. 54-618-350/355/360/365

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Sylvac Probes

Order No.	Description	Overall Accuracy
Short Travel Probes:		
54-618-345	Standard Probe 0—.080" (0—2mm)	.00003"(.0008mm)
54-618-350	Standard Probe 0—.2" (0—5mm)	.00004"(.001mm)
54-618-352	Standard Probe with Ball Bearing Movement 0—.2" (0—5mm)	.00004"(.001mm)
54-618-355	Vacuum Probe 0—.2" (0—5mm)	.00004"(.001mm)
54-618-346	Right-Angle Probe 0—.080" (0—2mm)	.00003"(.0008mm)
54-618-360	Right-Angle Probe 0—.2" (0—5mm)	.00004"(.001mm)
54-618-365	Right-Angle Vacuum Probe 0—.2" (0—5mm)	.00004"(.001mm)
Probes:		
54-618-444	Right-Angle Probe 0-.400" (0—10mm)	.00004" (.001mm)
54-618-400	Standard Probe 0—.400" (0—10mm)	.00004"(.001mm)
54-618-500	Long Range Probe 0—1" (0—25mm)	.00005"(.0012mm)
54-618-700	Extra-Long Range Probe 0—2" (0—50mm)	.0001"(.0025mm)
Accessories:		
54-618-510	Hand lifting attachment for No. 54-618-400, 444 & 500	
54-618-515	Hand lifting attachment for No. 54-618-700	
54-618-520	Photo-cable type lifter attachment for No. 54-618-400 & 444	
54-618-530	Photo-cable type lifter attachment for No. 54-618-400, 444 & 500	
54-618-535	Photo-cable type lifter attachment for No. 54-618-700	
54-618-540	Std. contact point (included with all Sylvac probes). M2.5 thread; .080" ball	
54-618-544	Rubber boot for No. 54-618-400 & 444	
54-618-545	Rubber boot for No. 54-618-500	
54-618-550	9' (2.75m) extension cable	
54-618-600	Pneumatic lifter (air-assisted probe retractors). (For No. 54-618-400, 444 & 500)	
54-618-601	Pneumatic lifter (for use with No. 54-618-700)	
54-618-460	3/8" to 8mm bushing	
54-618-470	M2.5/4-48 thread adapter	
54-618-701	Replacement Cable for No. 54-618-700	
54-618-401	Replacement Cable for No. 54-618-400	
54-618-445	Replacement Cable for No. 54-618-444	
54-618-501	Replacement Cable for No. 54-618-500	
54-618-351	Replacement Cable for No. 54-618-350/355	
54-618-361	Replacement Cable for No. 54-618-360/365	
54-618-446	Heavy Duty 1.5m Replacement Cable for No. 54-618-400	
54-618-447	Heavy Duty 5m Replacement Cable for No. 54-618-400	
54-618-502	Heavy Duty 1.5m Replacement Cable for No. 54-618-500	
54-618-504	Heavy Duty 5m Replacement Cable for No. 54-618-500	

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Pneumatic Accessories for Probes

Pneumatic lifters for Sylvac probes allow remote measuring.

