Fowler

LVDT Measuring Probes

▲ Right angle (top) and standard probes.

▲ Pneumatic probes.

Fowler offers a wide range of short travel LVDT probes in different configurations for special and multiple gaging applications at a relatively low cost.

Available with spring pressure or pneumatically operated, these probes offer the user many options where long travel is not necessary and high accuracy is required.

Probes fitted with 5-pin DIN style Lumberg plug.

Special Features:

- Durable stainless steel bodies.
- Ranges from ±.010" — ±.394".
- Pretravel adjustment allows setting of measuring head to optimum position to avoid risk of impact during part loading (except 54-600-006).
- Choice of spring pressure, depending on material to be measured. 70 grams standard.
- Pneumatic series eliminates need for mechanical slides and side loading.
- Furnished with 8mm body diameter which can be bushed to 3/8" for use in gage stands and other fixtures.
- Furnished with 4-48 carbide contact points .120"(3mm) diameter.

Order No.	Type	Range	Overall Size Length	Diameter	(Whichever Linearity % is greater)
LVDT Probes					
54-600-001	Right angle	±.040"/1mm	1.770"/45mm	.314"/8mm	0.5% 1µm (.00004")
54-600-002	Standard	±.040"/1mm	2.322"/59mm	.314"/8mm	0.5% 1µm (.00004")
54-600-003	Standard	±.060"/1.5mm	3.228"/82mm	.314"/8mm	0.5% 1µm (.00004")
54-600-004	Standard	±.098"/2.5mm	3.435"/87.5mm	.314"/8mm	0.5% 2.5µm (.0001")
54-600-005	Standard	±.197"/5.0mm	4.489"/111.5mm	.314"/8mm	0.5% 5µm (.0002")
54-600-006	Standard	±.394"/10.0mm	6.534"/166mm	.314"/8mm	0.5% 10µm (.0004")
54-601-001	Pneumatic	±.040"/1.0mm	2.867"/73.5mm	.314"/8mm	0.3% 1µm (.00004")
54-601-002	Pneumatic	±.098"/2.5mm	3.976"/101mm	.314"/8mm	0.3% 1µm (.00004")
54-601-003	Pneumatic	±.197"/5.0mm	4.173"/106mm	.314"/8mm	0.3% 1µm (.00004")
54-600-008	Right angle Ultra-short travel-std.	±.010"/0.25mm	1.0"/25mm	.314"/8mm	0.3% 1µm (.00004")
54-600-010	Std. Ultra-short travel	±.020"/0.5mm	1.3"/33mm	.314"/8mm	0.3% 1µm (.00004")