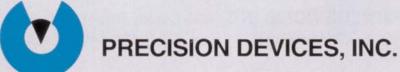
SURFACE MEASURING SYSTEMS





SYSTEM 1

PDA ANALOG AMPLIFIER
PDD MOTOR DRIVE
PDL LITE-TOUCH LINKARM
PDR REFERENCE STANDARD
PDK TRACER

W/SMT SKIDMOUNT

For checking I.D.s & O.D.s from 1/8 in. (3.2 mm) to flat

or

PDM TRACER W/SMA SKIDMOUNT

For checking O.D.s & I.D.s from 3/4 in. (19 mm) to flat — Min. I.D. 1-13/16" (46 mm)

SYSTEM 3

PDA ANALOG AMPLIFIER
PDP MOTOR DRIVE
PDR REFERENCE STANDARD
PDG SKIDLESS TRACER
PDS STYLUS ASSEMBLY

SURFOMETER SYSTEM 1 is a skid-referenced instrument for measuring R_a (roughness average). The analog system continuously averages the R_a value over the selected tracing length.

SURFOMETER SYSTEM 3 is a skidless measuring instrument designed to check the roughness average for small, difficult-to-reach surfaces. The motor drive is mounted on a granite base to minimize vibration and to provide a level, stable surface for locating the workpiece.

Systems 1, 1A & 3 replace Giddings & Lewis Groups 6L, 6M and 10 Instruments

For all PDI products, access our website http://www.predev.com

TECHNICAL DATA

	AMPLIFIER
Parameter	Ra
Readout	3" x 5" Analog Meter
Cutoff Values	.010, .030, .100, .300 in.
	(.254, .762, 2.54, 7.62 mm)
Dynamic Range	≈5000 µ in. peak to valley
Calibration	3-patch Precision Reference
Standard	
Ref. Std. Accuracy	+/- 2.5% of indicated value
System Accuracy	+/- 2% of full scale reading
Power Supply	110 V AC 50/60 Hz.
	250 V., 2 A., 3AG slow blow fuse
Temperature Range	Operation— 10-30°C
	Storage— 0-40°C
Relative Humidity	10-90% non-condensing

PDD MOTOR DRIVE (skid referenced)

Traversing speed .3 in./sec. (7.63 mm/sec.)
Traversing Length Adjustable to 2.5 in.

PDP MOTOR DRIVE (skidless)

Traversing speed .1in./sec. (2.54 mm/sec.)
Traversing length Adjustable to 2.5 in.

TRACERS Stylus Tip Diamond Stylus Radius .0004 in. std. (10 µm.) Transducer type Velocity Stylus force 15 mN (1.5 gfmax) Specials Per specifications



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