



Trimos Labconcept Universal Length Measuring Instrument



The Fowler/Trimos LABCONCEPT Universal Length Measurement System combines the ultimate in accuracy, performance, range and simplicity in an easy to use, robust instrument.

It can calibrate all types of standards including plug gages, ring gages, thread plug gages, thread ring gages, snap gages, depth gages, dial indicators and more. A large variety of accessory supports and probes allow unmatched versatility in checking both internal and external dimensions.

Measuring force is assured by means of an adjustable spring system which can be regulated to different pressures. This system eliminates errors which could be caused by varying operator feel.

- Large measuring range 0—20" (0—500mm) and 0—39.4" (0—1000mm)
- Developed for ISO 9000/2000 standards
- Switchable Resolution; .0001", .00001", .000001", or .001mm, .0001", .00001mm
- Wide range of easily interchangeable accessories
- Adjustable measuring force 0—12N
- Displacement speed of measuring carriage = 60"/sec (1.5m/sec)
- Fine adjustment range = .394"/10mm
- Operational temperature limit 10°-40°C
- Operational humidity limit 30 - 80%



Fred V. Fowler Company, Inc.



Trimos Labconcept Software and Specifications

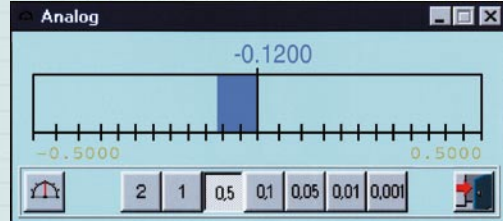
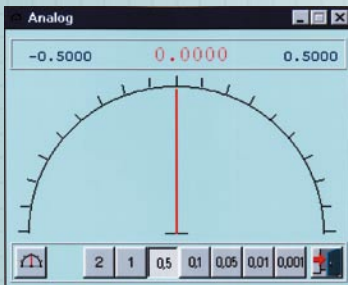


Trimos-Win DHI software for all required measuring functions and connection of a gage inspection and management system

Functions:

- Industrial computer with TFT tactile screen.
- DDE server (for Excel, Word, etc.)
- Multi-windows mode on screen.
- Graphic help for measuring functions.
- Linear type analog display or with pointer, selectable scale resolution.
- Digital display of the selected measuring force in Newton (N).
- Direct display of all length measurement values and minimum/maximum hold values.

- Selection of measuring unit mm/inch
- Selection of resolution: .0001", .00001", .000001" or .001mm, .0001mm, .00001mm.
- Measuring using two references.
- Input of 9 preset values.
- Inversion of measuring direction (+/-)
- Data transfer using a foot pedal.
- The screen is positioned on an adjustable support and fixed to the base of the instrument.



Specifications

	54-197-777	54-197-877
Measuring range	0—20"(500mm)	0—39.4"(1000mm)
Accuracy	<0.3µm+(L(mm)/1200)µm	<0.3µm+(L(mm)/1500)µm
Accuracy, full scale	.000028"(.0007mm)	.000038"(.00097mm)
Repeatability (±2S)	.000004"/.0001mm	.000004"/.0001mm
Display	Computer added screen display: industrial computer with TFT touch screen, DDE server and Trimos WIN DHI software for display of functions and measuring results	
Resolution, switchable	.0001", .00001", .000001" or .001mm, .0001mm, .00001mm	
Weight	176 lbs (80kg)	264 lbs (120kg)