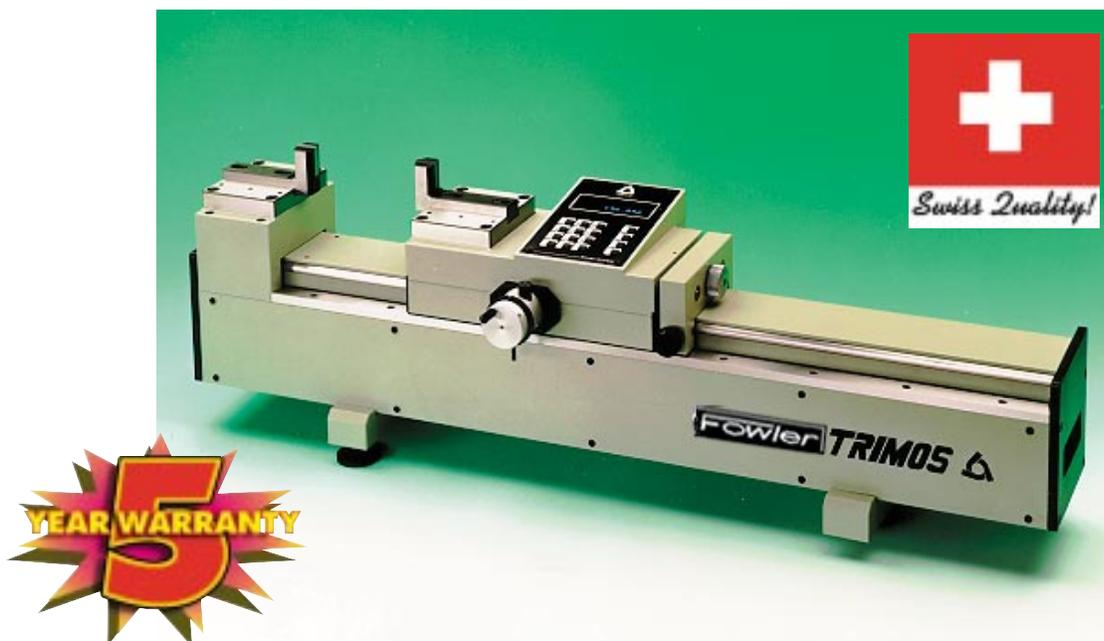


Fowler

Trimos TELMA Horizontal Setting Instruments



Fowler is pleased to offer the Trimos TELMA Setting and Checking Instruments #54-196-501 (0—20"/500mm), #54-196-101 (0—40"/1000mm) and #54-196-251 (0—61"/1550mm) with digital readout, now featuring—

- A new scale & electronic display unit with functions that are adapted to meet horizontal measurements such as Min/Max
- RS232C data output. (A foot pedal for data output is available.)
- The scale is relocated to the back of the instrument for better protection.
- .0001"/.0001"/.001" (.0001/.001/.01mm) resolution.
- Measuring force = 4N (14 ounces)
- Accuracy:
 - .00018" (.0046mm) for 54-196-501
 - .00025" (.0063mm) for 54-196-101
 - .00035" (.009mm) for 54-196-251

It's ideal for setting all types of internal and external gages and for measuring lengths, internal diameters, pitch diameters of internal threads and more.

The Setting Instruments consist of a cast iron base, a fixed saddle support and a measuring carriage. Precise movement of the

carriage along the guideway is guaranteed by ball bearings. The measuring carriage is displaced by the same type of handwheel that is used in all Trimos Verticals and Mini-Verticals. The handwheel incorporates an internal clutch/spring to supply constant measuring pressure and eliminate any "feel." A motivation block controls the locking of the measuring carriage and a differential screw assures fine adjustment of the digital readout when gages have to be set.

The built-in electronic display unit includes the following functions:

- Digital readout to .0001", .00001" or .01mm and .001mm.
- True inch/metric conversion.
- Input of preselected values.
- Zero setting of the digital display at any position of the measuring carriage.
- Functions include: length measurements; display of minimum or maximum values.

A wide range of job capabilities: Designed to quickly set and/or measure internal gages, external gages, fixed gages, components, bore gages, length gages, tools, micrometers, snap gages, dial gages, calipers, thread measuring gages, and more.





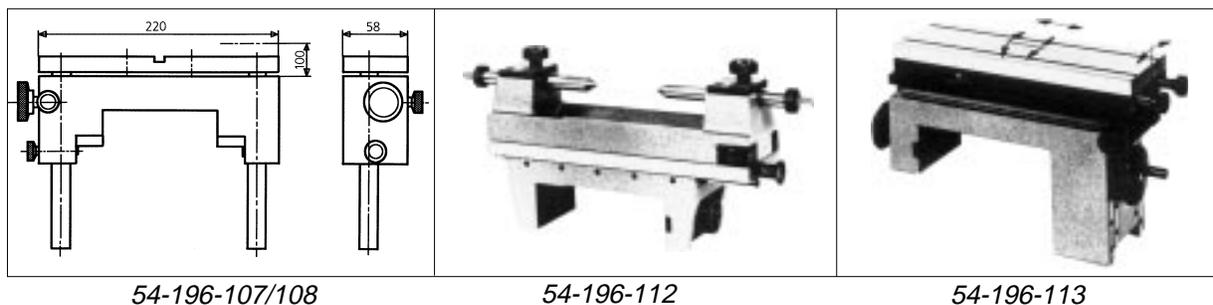
Trimos TELMA Horizontal Setting Instruments

<p>54-190-805/828</p>	<p>54-196-040</p>	<p>54-190-829</p>
<p>54-190-809</p>	<p>54-190-825</p>	<p>54-190-817</p>
<p>54-190-823/824</p>	<p>54-190-810/830</p>	<p>54-190-827</p>
<p>54-190-818</p>	<p>54-196-022</p>	<p>54-196-021</p>
		<p>54-190-821</p>





TELMA Horizontal Setting Instruments



54-196-107/108

54-196-112

54-196-113



Order No.	Description
54-196-501	Trimos Horizontal Setting Instrument 0—20" (0—500mm).
54-196-101	Trimos Horizontal Setting Instrument 0—40" (0—1000mm).
54-196-251	Trimos Horizontal Setting Instrument 0—61" (0—1550mm).
Accessories:	
54-190-804	Setting ring for 60° threads, for use with 54-190-826 & 54-190-818.
54-190-805	Pair of 1" tungsten carbide gage block attachments for internal/external measurements. Included with 54-196-series.
54-190-807	Pair of spherical anvils with tungsten carbide balls.
54-190-809	Pair of measuring devices for internal diameters (.8").
54-190-810	Pair of .4" spherical inserts—must be used with 54-190-805.
54-190-817	Pair of large supporting plates for setting 2 pt. bore gages.
54-190-818	Pair of measuring devices for internal pitch diameter. (Requires 54-190-826 cone set & 54-190-804.)
54-190-819	Pair of anvils with 3.5mm location bore.
54-190-821	Pair of holders with 6.5mm bore for thread inserts.
54-190-823	Probe holder for $\frac{3}{8}$ " dial indicators.
54-190-824	Probe holder for 8mm dial indicators.
54-190-825	Pair of V-supports for gage block attachments.
54-190-826	Set of 60° cones for internal threads. Needs 54-190-804,818.
54-190-827	Support plate for setting depth gages.
54-190-828	Pair of 25mm tungsten carbide gage block attachments for internal and external measurement.
54-190-829	Pair of small supporting plates for setting 2 pt. bore gages.
54-190-830	Pair of 10mm spherical inserts. Must use with 54-190-828.
54-190-831	120° support plate
54-190-832	$\frac{3}{8}$ " brackets to hold dial indicator (use with 54-196-113)
54-196-005	Pair of holders with .256" inserts.
54-196-021	Pair of V-supports. Must use with 54-196-107.
54-196-022	Pair of L-supports. Must use with 54-196-107.
54-196-040	Adjustable support for rocking bore gages.
54-196-088	Pair of U-shaped attachments for snap gages.
54-196-107	Set of vertical adjustable supports.
54-196-108	One vertical adjustable support. (for use with 54-197-106, floating table)



Order No.	Description
54-196-112	Measuring table with location centers.
54-196-113	Universal measuring table.
54-196-104	Foot pedal for data output.
54-196-301	Printer bracket to hold 54-903-500.
54-196-871	Internal measuring device w/o display.
54-197-007	18 pc. set of thread measuring wires, requires 54-196-005
54-197-014	Clamping device for snap gages, requires 54-196-113
54-197-015	3/8" indicator holder, requires 54-196-005
54-197-016	Arm for interchangeable probes
54-190-865	Pair of Knife Anvils, requires 54-196-005
54-197-073	Analog/digital display for 54-196-871
54-197-075	Set of T-Shaped inserts with ruby balls for pitch diameter from 32 threads per inch/minimum pitch .7mm upwards for 54-196-871
54-197-076	Set of ruby ball insets for int. diam from .04"/1mm upwards for 54-196-871
54-197-106	Floating measuring table, requires 54-196-100 or 108
54-197-121	Pair of gage block supports, requires 54-196-107
54-197-142	Pair of clamp attachments requires 54-196-113
54-197-162	Set of L-Shaped probes for internal measurements, requires 54-196-005

