

Fred V. Fowler Company, Inc.

Fowler[®]

Trimos THV Horizontal/Vertical

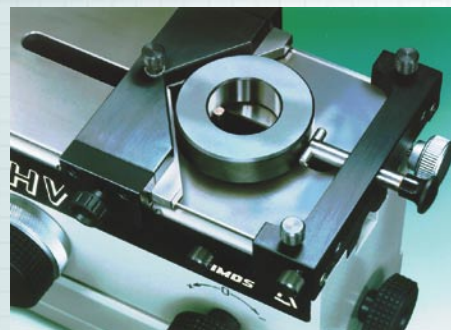
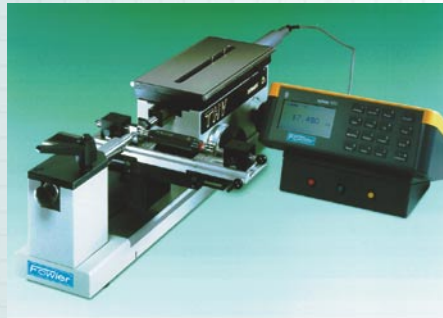


Developed by Trimos of Switzerland, Fowler's innovative horizontal/vertical instrument fulfills current quality requirements for many applications.

Multiple accessories ensure versatile applications for checking all types of gages such as plug gages, ring gages, thread plug gages, lever dial indicators, etc. as well as precision manufactured parts. Maximum measuring range for all internal and external dimensions is 4" (100mm).

High accuracy is guaranteed by perfect instrument construction and the Heidenhain measuring system. The simplicity of the instrument and its ease of use allows precise and quick performance of all measurements.

The instrument can be used in a horizontal position without the stand, or it can be inclined through 90° using an optional stand.



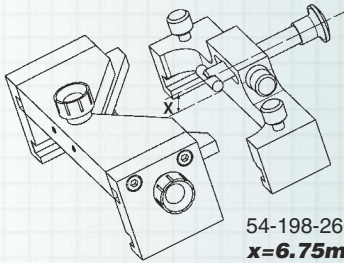
Specifications:

| | |
|----------------------------------|--|
| Overall measuring range | (Using standard probes) |
| External measurements | 0—4" (0—100mm) |
| Internal measurements | .4—4" (10—100mm) |
| Scale range (travel) | Absolute display over 2" (50mm) |
| Max. measuring band error | .00002" (.5µm) reference temperature 20°C |
| Resolution on Heidenhain ND 281B | .00001", .000001" |
| Repeatability | .001, .0001 or .00002mm |
| Adjustable measuring force | .000005" ±2s (.1µm) |
| | 0 to 4N, up to 40 ounce possible with optional pneumatic thread attachment |

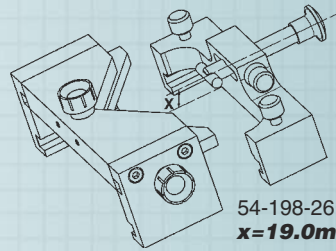
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Trimos THV Horizontal/Vertical



54-198-260
x=6.75mm



54-198-261
x=19.0mm



| Order No. | Description |
|------------|--|
| 54-198-500 | THV with standard table plus 54-198-010 and 53-190-019 |
| 54-198-505 | THV with standard table, scale and readout plus 54-198-010, 53-190-019 & 54-197-503 |
| 54-198-550 | THV with floating table for I.D. measuring plus 54-198-020 and 53-190-019 |
| 54-198-555 | THV with floating table for I.D. measuring plus 54-198-020, 53-190-019 & 54-197-503 |
| 54-198-001 | Standard table (included with 54-198-500 and 54-198-505) |
| 54-198-010 | Set of internal probes from .4"/10mm up for standard table (included with 54-198-500 and 54-198-505) |
| 54-198-012 | Set of 6mm Ø x 34mm internal ball probes from .51"/13mm up for standard table |
| 54-198-020 | Set of internal probes from .4"/10mm up for floating table (included w/54-198-550 & 555) |
| 54-198-022 | Set of 6mm Ø x 41mm internal ball probes from .51"/13mm up for floating table |
| 54-198-100 | Block support for 54-198-101 and 54-198-150 |
| 54-198-101 | H-plate with clearance |
| 54-198-150 | Test indicator holding device |
| 54-198-160 | Block support for 54-197-106 |
| 54-198-170 | Support device with V for external diameters |
| 54-198-180 | Micrometer spindle for testing dial and test indicators |
| 54-198-181 | 8mm clamp for holding dial indicators |
| 54-198-182 | 3/8" clamp for holding dial indicators |
| 54-198-200 | Base for inclination |
| 54-198-250 | ID floating table (included with 54-198-550 and 54-198-555) |
| 54-198-260 | Reverse attachment—European |
| 54-198-261 | Reverse attachment—American |
| 54-198-300 | Pneumatic thread device, Allows up to 40 ounces of pressure. |
| 53-190-019 | Standard .256"/6.5mm diameter external probes Included w/all units |
| 53-190-032 | External probe with M2.5 x .45 thread |
| 53-190-033 | .315"/8mm diameter external probes |
| 53-190-034 | External probes with 4.48 thread |
| 53-190-037 | .078"/2mm diameter external probes |
| 54-197-007 | Thread wires and holders |
| 54-197-106 | Floating table for pin and plug gages |
| 54-197-503 | Support for display (included with No. 54-198-505 and 54-198-555) |
| 54-198-175 | Support pin .12"/3mm diameter for No. 54-198-170 |
| 54-198-176 | Support pin .24"/6mm diameter for No. 54-198-170 |
| 54-198-015 | Inserts for internal measuring from .197"/5mm up for table No. 54-198-001 |
| 54-198-025 | Inserts for internal measuring from .197"/5mm up for table No. 54-198-250 |
| | No. TULM 31 PC Board IK121 with cable—Contact the technical dept. for quote. |