October 2019
Product Spotlight

HIGH PRECISION

CALIBRATION PACKAGES

Sale ends December 31, 2019

www.fowlerprecision.com
Knowing that your measuring instruments are properly calibrated is critical to your quality manufacturing operation. A gage that doesn't perform with high accuracy and repeatability can jeopardize the integrity of quality control and destroy confidence in the production process. Inaccurate gages can be very expensive, resulting in lost time and scrap parts.

At Fowler/Trimos, we take calibration very seriously. We work closely with fortune 500 manufacturers and local job shops to take the mystery out of calibration. We offer our customers a wide range of exceptionally accurate and repeatable Swiss-made calibration instruments.
Why Fowler/Trimos?

Excellent product design is essential for accurate measurement:
The Fowler/Trimos line of calibration instruments feature incomparable design. All Fowler/Trimos gages are sleek, modern and ergonomic. The bases are extremely rigid and temperature stable. Our customers appreciate the fact that critical bearing surfaces, scales and reader heads are well protected for improved accuracy and increased longevity.

Improved calibration, reduced uncertainty, greater throughput:
The Fowler/Trimos calibration instruments are designed around the operator. Our competitors suffer from excessive interpolation errors and poorly designed accessories. Our competitors often publicize high accuracy, but our experience confirms that many customers never actually realize what was promised. The user differences may not be immediately apparent, but our customers quickly appreciate that the Fowler/Trimos instruments are designed with one fixed anvil position, dramatically reducing the opportunity for error and improving throughput. Also, Fowler/Trimos accessories are well designed with fewer required manual adjustments and our software is intuitive and easy to use.

State-Of-The-Art:
In every way the Fowler/Trimos line of calibration equipment is as good as it gets. From design and manufacture to operation and accessories the Labconcept is simply the 'State-of-the-art'.
Calibration Lab Starter Package
LABCP300B - Pack

54-197-011-0

54-197-107-0

54-197-142-0

54-190-865-0

54-197-351-1

54-197-074-0

54-197-076-0

54-197-132-0

54-197-352-0

54-197-014-0

3P/0.17-3.2/S6.5 ECO

QM-Thread32-Starter

TEL 75/2-11

54-197-040-0

QM-Manag
The **Labconcept PREMIUM 14"/370mm** measuring range instrument is a high precision calibration system integrating a computer and a touch screen with Trimos WinDHI software for optimum performance. An optional temperature compensation probe system can be added to enhance system performance. Meeting high demands of ISO 9000 we offer an adjustable measuring force, large range of accessories and direct measurement over the whole measuring range.

**Specifications:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring Range</td>
<td>0 - 14&quot;/0 - 370mm</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.1µm + (L(mm)/2000µm)</td>
</tr>
<tr>
<td>Repeatability (± 2S)</td>
<td>0.000002&quot;/0.05µm</td>
</tr>
<tr>
<td>Display</td>
<td>Computer added screen display: PC w/flat screen monitor, DDE server and Trimos WIN DHI software for display of functions and measuring results</td>
</tr>
<tr>
<td>Resolution, switchable</td>
<td>0.0001&quot;, 0.00001&quot;, 0.000001&quot; or 0.001mm, 0.0001mm, 0.00001mm</td>
</tr>
</tbody>
</table>

**What can be calibrated:**

- Plug gages, up to 100mm
- Ring gages, 1 - 180mm
- Thread plug gages, up to 80mm
- Snap gages
- Pin gages
- Thread ring gages, M5 - M180
- Gage blocks
- Internal micrometers
- Internal caliper gages
- Measurement of high precision parts

**Package includes:**

- Labconcept PREMIUM 14"/370mm
- Labconcept measuring table
- Plug gage holder for Labconcept
- Set of clamps - 60mm
- Knife-shaped probe pair for Labconcept HORIZON
- Pair of L-Shaped probes - H = 22mm, L = 85mm
- Electronic probe for internal measurement
- Ruby ball set for internal measuring device
- Vertical indicator mount for universal table, Ø3/8" stem
- Digital indicator 50mm, resolution 0.001mm
- Snap gage clamping device
- Set of thread measuring wires with holders
- Starter module for inspection of thread gages
- Ø6.5mm anvil pair for LABC/HORIZON
- T-shape ruby ball set for internal measuring device
- Master ring gage Ø40mm with SCS certificate
- Gage management software

**List Price $118,383.34**

**Product Spotlight Promotion $101,665.00**
Value Package
LABC500J - Pack

54-197-011-0

54-197-107-0

54-197-142-0

54-190-865-0

TA-MI-371

TA-MS-370

54-197-076-0

54-197-132-0

54-197-352-0

QM-Thread32-Starter

3P/0.17-3.2/S6.5

54-190-806-0

TEL 75/2-11

54-197-354-4

54-197-114-0

54-197-015-0
The **Labconcept PREMIUM 21”/550mm** measuring range instrument is a high precision calibration system integrating a computer and a touch screen with Trimos WinDHI software for optimum performance. An optional temperature compensation probe system can be added to enhance system performance. Meeting high demands of ISO 9000 we offer an adjustable measuring force, large range of accessories and direct measurement over the whole measuring range.

### Value Package
LABC500J - Pack

The **Labconcept PREMIUM 21”/550mm** measuring range instrument is a high precision calibration system integrating a computer and a touch screen with Trimos WinDHI software for optimum performance. An optional temperature compensation probe system can be added to enhance system performance. Meeting high demands of ISO 9000 we offer an adjustable measuring force, large range of accessories and direct measurement over the whole measuring range.

### What can be calibrated:
- Plain plug gages, up to 100mm
- Plain ring gages, 12 - 180mm
- Small ring gages, 1 - 100mm
- Snap gages, 12 - 150mm
- Thread plug gages, up to 10mm
- Thread rings, M5 - M180
- Gage blocks, 100 - 250mm
- Internal micrometers from 75mm
- Internal micrometers
- Dial indicators
- Length standards
- Internal caliper gages
- Measurement of high precision parts

### Package includes:
- Labconcept PREMIUM 21”/550mm
- Labconcept measuring table
- Plug gage holder for Labconcept
- Set of clamps - 60mm
- Knife-shaped probe pair for Labconcept HORIZON
- Pair of L-Shaped probes - H = 22mm, L = 85mm
- Electronic probe for internal measurement
- Ruby ball set for internal measuring device
- Vertical indicator mount for universal table, Ø3/8" stem
- Digital indicator 50mm, resolution 0.001mm
- Snap gage clamping device
- Set of thread measuring wires with holders
- Ø6.5mm anvil pair for LABC/HORIZON
- Starter module for inspection of thread gages
- T-shape ruby ball set for internal measuring device
- Master ring gage Ø40mm with SCS certificate
- Supporting device for gage blocks 100 - 250mm
- MIC Cal Kit
- "V" supporting device
- Dial indicator holder 3/8" stem

### Specifications:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring Range</td>
<td>0 - 21”/0 - 550mm</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.15 µm + (L(mm)/2000µm)</td>
</tr>
<tr>
<td>Repeatability (± 2σ)</td>
<td>0.000002”/0.05µm</td>
</tr>
<tr>
<td>Display</td>
<td>Computer added screen display: PC w/flat screen monitor, DDE server and Trimos WIN DHI software for display of functions and measuring results</td>
</tr>
<tr>
<td>Resolution, switchable</td>
<td>0.0001”, 0.000001”, 0.0000001” or 0.001mm, 0.0001mm, 0.000001mm</td>
</tr>
</tbody>
</table>

### List Price

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>List Price</td>
<td>$133,840.97</td>
</tr>
</tbody>
</table>

**Product Spotlight Promotion**

$105,410.00  

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7
The Flex Package is a basic starter package offering the Labconcept PREMIUM 14”/370mm unit with the Labconcept measuring table. This package allows user to obtain basic instruments for outside dimensions and various accessories can be added at a later time.

**Package includes:**

- Labconcept PREMIUM 14”/370mm
- Labconcept measuring table

<table>
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<tbody>
<tr>
<td>Measuring Range</td>
<td>0 - 14”/0 - 370mm</td>
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<tr>
<td>Accuracy</td>
<td>0.1µm + (L(mm)/2000µm</td>
</tr>
<tr>
<td>Repeatability (± 2S)</td>
<td>0.000002”0.05µm</td>
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<tr>
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<tr>
<td>Resolution, switchable</td>
<td>0.0001”, 0.00001”, 0.000001” or 0.001mm, 0.0001mm, 0.00001mm</td>
</tr>
</tbody>
</table>

**What can be calibrated:**

- Outside diameters
- Lengths
- Measurement of high precision parts

**List Price** $72,988.09

**Product Spotlight Promotion** $60,680.00
The Labconcept PREMIUM 14”/370mm and the Labconcept PREMIUM 21”/550mm measuring range instrument is a high precision calibration system integrating a computer and a touch screen with Trimos WinDHI software for optimum performance. An optional temperature compensation probe system can be added to enhance system performance. Meeting high demands of ISO 9000 we offer an adjustable measuring force, large range of accessories and direct measurement over the whole measuring range.

**Package includes:**

- Labconcept PREMIUM 54-197-300-0 54-197-320-0
- Labconcept measuring table 54-197-011-0 54-197-011-0
- QM-Plain 54-778-100-0 54-778-100-0
- Pair of L-Shaped probes - H = 22mm, L = 85mm 54-197-351-1 54-197-351-1
- Ø6.5mm anvil pair for LABC/HORIZON 54-190-806-0 54-190-806-0
- Pair of fast clamping attachments H<60m 54-197-143-0 54-197-143-0

**What can be calibrated:**

- Plug gages, up to 100mm
- Ring gages, 20 - 180mm
- Length standards
- Measurement of high precision parts

**Specifications:**

<table>
<thead>
<tr>
<th>Measuring Range</th>
<th>0 - 14”/0 - 370mm</th>
<th>0 - 21”/0 - 550mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>0.1µm + (L(mm)/2000µm)</td>
<td>0.15µm + (L(mm)/2000µm)</td>
</tr>
<tr>
<td>Repeatability (± 2σ)</td>
<td>0.000002”/0.05µm</td>
<td>0.00003”/0.05µm</td>
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<td>Display</td>
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<td>Resolution, switchable</td>
<td>0.0001”, 0.00001”, 0.000001” or 0.001mm, 0.0001mm, 0.00001mm</td>
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**List Price**

- 14”/370mm: $81,931.41
- 21”/550mm: $92,889.12

**Product Spotlight Promotion**

- 14”/370mm: $77,160.00
- 21”/550mm: $87,980.00
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. Measuring range 2” and application range 4”. *Floating table provides faster, easier, more accurate internal measuring.*

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. Adjustable Measuring Force is suitable for measuring thread members utilizing the 3 wire method.

<table>
<thead>
<tr>
<th>Specifications:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Application Range</td>
<td>Using standard probe</td>
</tr>
<tr>
<td>External measurement</td>
<td>0 - 4” / 0 - 100mm</td>
</tr>
<tr>
<td>Internal measurement</td>
<td>0.4 - 4” / 10 - 100mm</td>
</tr>
<tr>
<td>Scale Range (travel)</td>
<td>Absolute display over 2”/50mm</td>
</tr>
<tr>
<td>Max. Measuring Band Error</td>
<td>0.000016”/0.4µm reference</td>
</tr>
<tr>
<td>Temperature 20°C</td>
<td></td>
</tr>
<tr>
<td>Resolution on Heidenhain ND 287</td>
<td>0.00001”, 0.000001”</td>
</tr>
<tr>
<td>Repeatability</td>
<td>0.000005” ±2s (0.1µm)</td>
</tr>
<tr>
<td>Adjustable Measuring Force</td>
<td>0 to 12N (0 - 40 oz.)</td>
</tr>
</tbody>
</table>

What can be calibrated:

- Plug gages
- Ring gages
- Thread plug gages

Package includes:

- THV Horizontal with Floating Table 54-198-558-0
- Measuring table for plug gages 54-198-115-0
- Display Unit Quadra Check 54-198-110-0

List Price $27,760.04

*Product Spotlight Promotion* $23,135.00
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. Measuring range 2” and application range 4”.

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. Adjustable Measuring Force is suitable for measuring thread members utilizing the 3 wire method.

**Specifications:**

<p>| | |</p>
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<tr>
<td>Temperature 20°C</td>
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</tr>
<tr>
<td>Resolution on Heidenhain ND 287</td>
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**What can be calibrated:**

- Plug gages
- Ring gages
- Thread plug gages

**Package includes:**

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<tbody>
<tr>
<td>THV Horizontal with Standard Table</td>
<td>54-198-508-0</td>
</tr>
<tr>
<td>Measuring table for plug gages</td>
<td>54-198-115-0</td>
</tr>
<tr>
<td>Display Unit Quadra Check</td>
<td>54-198-110-0</td>
</tr>
</tbody>
</table>

List Price $24,065.55

**Product Spotlight Promotion** $20,050.00