



Plunger Dial Indicators - FI Series

The Baty range of Plunger Dial Indicators includes a model for all applications. Building on decades of experience we offer standard indicators in most popular sizes.

Non-standard configurations are also available on request.

Features

All units are supplied with:

- 8mm stems
- M2.5 threads
- Offset lug backs as standard



D1



FI-3



FI-6



FI-301

GROUP 1 - 42MM NOMINAL DIAMETER

| Code No | Dial Reading (inch) | Range (inch) | Description | Graduation |
|---------|---------------------|--------------|----------------------|------------|
| D1 | 0.001 | 0.25 | Range Per Rev - 0.1" | 0-100 |

GROUP 2 - 2 1/4" NOMINAL DIAMETER

| Code No | Dial Reading (inch) | Range (inch) | Description | Graduation |
|---------|---------------------|--------------|-----------------------|--------------|
| FI-1 | 0.001 | 0.5 | Range Per Rev - 0.1" | 0-50-0 |
| FI-2 | 0.001 | 0.5 | Range Per Rev - 0.1" | 0-100 |
| FI-3 | 0.001 | 1 | Range Per Rev - 0.1" | 0-100 |
| FI-4 | 0.0005 | 0.5 | Range Per Rev - 0.05" | 0-50/0-25-0 |
| FI-5 | 0.0001 | 0.2 | Range Per Rev - 0.1" | 0-100/0-50-0 |
| FI-6 | 0.0001 | 0.5 | Range Per Rev - 0.1" | 0-100/0-50-0 |

GROUP 3 - 3" NOMINAL DIAMETER

| Code No | Dial Reading (inch) | Range (inch) | Description | Graduation |
|---------|---------------------|--------------|----------------------|------------|
| FI-301 | 0.001 | 2 | Range per Rev - 0.1" | 0-100 |

See p116 for alternative contact points and accessories

Dial Indicator 400 Series

MW400-02



MW400-03



MW400-04



MW400-05



MW400-06



MW400-06B



MW400-08



MW400-09



DIP223M



DIAL INDICATOR

| Code No | Range (mm) | Resolution (mm) | Dial Diameter | Description |
|-----------|------------|-----------------|---------------|------------------------|
| MW400-01 | 0-1.0 | 0.001 | 58mm | Flat back |
| MW400-02 | 0-1.0 | 0.001 | 58mm | Lug back |
| MW400-03 | 0-3.0 | 0.01 | 42mm | Lug back and flat back |
| MW400-04 | 0-5.0 | 0.01 | 42mm | Lug back |
| MW400-05 | 0-10.0 | 0.01 | 58mm | Flat back |
| MW400-06 | 0-10.0 | 0.01 | 58mm | Ear back |
| MW400-06B | 0-10.0 | 0.01 | 54mm | Waterproof |
| MW400-08 | 0-30.0 | 0.01 | 58mm | Lug back |
| MW400-09 | 0-50.0 | 0.01 | 58mm | Lug back |

Features

Standard: DIN 878

- Satin-chromed body
- With tungsten carbide measuring contact
- With double dial indicator for measuring mm stroke
- Shockproof
- Micron versions are jewelled
- Adjustable bezel with stop screw
- Packed in foam box

METRIC: DIAL INDICATORS, PLUNGER

| Code No | Range | Graduation | One Revolution of Pointer | Scale Reading | Bezel Diameter | Stem Diameter | Lug Back No. |
|----------|-------|------------|---------------------------|---------------|----------------|---------------|--------------|
| DIP223M† | 10 | 0.01 | 1mm | 0-100 | 58mm | 8mm h6 | DI5848X |

* Waterproof †Shockproof

See p116 for alternative contact points and accessories



Dial Indicator 401 Series

Features

Standard: ANSI B89.1.10

- Aluminium body
- With Tungsten carbide measuring tip
- Adjustable bezel with stop screw
- Tolerance indicators
- Lug back (flat back is optional)



MW401-01



MW401-02



MW401-05

DIAL INDICATOR

| Code No | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Bezel Diameter | Stem Diameter | Description |
|----------|------------|--------------|-----------------|-------------------|----------------|-------------------|-------------|
| MW401-01 | - | 0-0.5 | - | 0.001 | 58mm | 3/8" spindle dia. | Lug back |
| MW401-02 | - | 0-1.0 | - | 0.001 | 58mm | 3/8" spindle dia. | Lug back |
| MW401-05 | 0-25.0 | 0-1.0 | 0.01 | 0.001 | 60mm | 8mm spindle dia. | Lug back |

Dial Test Indicator 420 Series

Features

- Automatic reversal of measuring direction
- High precision fully jewelled bearings
- Rotating dial
- Two dovetail clamps
- Carbide points
- Styli Length: 12mm / 1/2"



METRIC: DIAL TEST INDICATOR 420 SERIES

| Code No | Range (mm) | Graduation (mm) | Dial Reading | Dial Diameter (mm) |
|----------|------------|-----------------|--------------|--------------------|
| MW420-03 | 0.8 | 0.01 | 0-40-0 | 25 |
| MW420-04 | 0.8 | 0.01 | 0-40-0 | 37 |

IMPERIAL: DIAL TEST INDICATOR 420 SERIES

| Code No | Range (inch) | Graduation (inch) | Dial Reading | Dial Diameter (inch) |
|-----------|--------------|-------------------|--------------|----------------------|
| MW420-03I | 0.030 | 0.0005 | 0-15-0 | 1 |
| MW420-04I | 0.030 | 0.0005 | 0-15-0 | 1 1/2 |

See p116 for alternative contact points and accessories

Dial Test Indicator 421 Series

Features

- Automatic reversal of measuring direction
- High precision fully jewelled bearings
- Rotating dial
- Two dovetail clamps
- Carbide points
- Styli Length: 12mm / 1/2"



METRIC: DIAL TEST INDICATOR 421 SERIES

| Code No | Range (mm) | Graduation (mm) | Dial Reading | Dial Diameter (mm) |
|----------|------------|-----------------|--------------|--------------------|
| MW421-01 | 0.2 | 0.002 | 0-100-0 | 25 |
| MW421-02 | 0.2 | 0.002 | 0-100-0 | 37 |

IMPERIAL: DIAL TEST INDICATOR 421 SERIES

| Code No | Range (inch) | Graduation (inch) | Dial Reading | Dial Diameter (inch) |
|-----------|--------------|-------------------|--------------|----------------------|
| MW421-01I | 0.008 | 0.0001 | 0-4-0 | 1 |
| MW421-02I | 0.008 | 0.0001 | 0-4-0 | 1 1/2 |

See p116 for alternative contact points and accessories

Dial Test Indicator 422 Series

Features

- Long range - twice the range of most indicators
- Automatic reversal of measuring direction
- High precision fully jewelled bearings
- Rotating dial
- Two dovetail clamps
- Carbide points
- Styli Length: 12mm / 1/2"



METRIC: DIAL TEST INDICATOR 422 SERIES

| Code No | Range (mm) | Graduation (mm) | Dial Reading | Dial Diameter (mm) |
|----------|------------|-----------------|--------------|--------------------|
| MW422-01 | 1.6 | 0.01 | 0-40-0 | 37 |

IMPERIAL: DIAL TEST INDICATOR 422 SERIES

| Code No | Range (inch) | Graduation (inch) | Dial Reading | Dial Diameter (inch) |
|-----------|--------------|-------------------|--------------|----------------------|
| MW422-01I | 0.060 | 0.0005 | 0-15-0 | 1 1/2 |

See p116 for alternative contact points and accessories



Baty Lever Type Dial Test Indicators

The Baty HL series of lever-type dial test indicators are top quality, Swiss-made precision instruments. Low inertia jewelled movements and rugged construction make them suitable for universal applications in the workshop and inspection departments.

Features

- High sensitivity, repeatability and accuracy
- Meet or exceed BS, DIN, Federal and other national standards
- Anti-magnetic
- Automatic reverse action stylus – hand always rotates clockwise
- Adjustable bezel for zeroing
- Precision ball bearing mounted, interchangeable carbide point swivels through 240°

Baty HL indicators are supplied with:

- 2mm diameter contact point – fitted
- Contact point key
- Dovetail stem 8mm/H7
- Tough plastic case

Note: Models HL3 and HL7 are not supplied with additional contact points.



HL-3



HL-4



HL-7



HL-9

BATY LEVER TYPE DIAL TEST INDICATORS - METRIC

| Code No | Resolution (mm) | Range (mm) | Dial Diameter (mm) | Length (mm) | Dial Reading (mm) |
|---------|-----------------|------------|--------------------|-------------|-------------------|
| HL-1 | 0.01 | 0.8 | 27 | 12 | 0-40-0 |
| HL-2 | 0.01 | 0.8 | 37 | 12 | 0-40-0 |
| HL-3 | 0.01 | 0.5 | 37 | 36 | 0-25-0 |
| HL-4 | 0.002 | 0.2 | 37 | 12 | 0-100-0 |

BATY LEVER TYPE DIAL TEST INDICATOR - IMPERIAL

| Code No | Resolution (inch) | Range (inch) | Dial Diameter (inch) | Length (inch) | Dial Reading (inch) |
|---------|-------------------|--------------|----------------------|---------------|---------------------|
| HL-5 | 0.0005 | 0.03 | 1 | 0.5 | 0-15-0 |
| HL-6 | 0.0005 | 0.03 | 1 1/2 | 0.5 | 0-15-0 |
| HL-7 | 0.0005 | 0.02 | 1 1/2 | 1.437 | 0-10-0 |
| HL-8 | 0.0001 | 0.008 | 1 1/2 | 0.5 | 0-4-0 |
| HL-9 | 0.0001 | 0.008 | 1 | 0.5 | 0-4-0 |

See p116 for alternative contact points and accessories

Dial Test Indicator Accessories - MW420 Series



Universal Holder



Contact Points



Dovetail Stem

DIAL TEST INDICATOR ACCESSORIES

| Code No | Description |
|-----------|---|
| MW-Z40010 | Universal Holder |
| MW-Z40012 | Contact point 12mm length, 1mm steel ball |
| MW-Z40013 | Contact point 12mm length, 2mm carbide ball |
| MW-Z40014 | Contact point 12mm length, 3mm carbide ball |

| Code No | Description |
|-----------|--|
| MW-Z40016 | Contact point 1/2" length, 0.040" steel ball |
| MW-Z40018 | Contact point 1/2" length, 0.120" carbide ball |
| MW-Z40020 | Dovetail stem 4mm clamping diameter |
| MW-Z40022 | Dovetail stem 8mm clamping diameter |

Baty Lever Type Dial Test Indicator Accessories



945-LI



944



323



333



332



331



322



321

BATY LEVER TYPE DIAL TEST INDICATOR ACCESSORIES

| Code No | Description |
|---------|--|
| 911-G | Dovetail Stem 1/4" |
| 912-G | Dovetail Stem 5.5mm |
| 913 | Dovetail Stem 8mm |
| 914 | Dovetail Stem 4mm |
| 915 | Holding Bar 76 x 12 x 6mm x Ø 5.5mm |
| 916 | Holding Bar Round 8mm x 100mm long x Ø 5.5mm |
| 917 | Dovetail Swivel Clamp Ø 5.5mm and Ø 9.5mm |
| 927 | Dovetail Swivel Clamp 90mm long x Ø 9.5mm |
| 928 | Dovetail Swivel Clamp 25mm long x Ø 9.5mm |
| 930 | Angular Support Ø 9.5mm and Ø 9.5mm I/D |
| 934 | Centering Holder Ø 8mm and 4mm I/D |

| Code No | Description |
|---------|--|
| 943 | Dovetail Swivel Support with fine adjustment 8mm x 120mm long |
| 944 | Dovetail Swivel Support with fine adjustment 8mm x 15mm long |
| 945-LI | Magnetic stand, fully adjustable, suits plunger and lever type indicators. Max height to knuckle joint 100mm, max reach 120mm with fine adjust |
| 333 | Stylus 37mm long x Ø 3mm |
| 332 | Stylus 37mm long x Ø 2mm |
| 331 | Stylus 37mm long x Ø 1mm |
| 323 | Stylus 12mm long x Ø 3mm |
| 322 | Stylus 12mm long x Ø 2mm |
| 321 | Stylus 12mm long x Ø 1mm |

Baty Crankshaft Alignment Gauge Set

If an engine crankshaft is not correctly aligned in its bearings, it distorts and becomes subject to damaging stresses. Any misalignment causes a change in the distance between webs when the shaft revolves and can be detected by placing an indicating device between the webs.

The Baty crankshaft alignment gauge is designed for this purpose. Its contacts are pointed and fit into dimples in the webs. A heavy spring pressure ensures that the gauge is retained but is free to turn in relation to the crankshaft and an adjustable balance weight restrains the gauge against rotation of the crankshaft so that the dial always faces the inspector.

Features

- The gauge covers web-to-web distances of 57-500mm (2 1/4"-20")
- Set supplied in a wooden case
- The special dial indicators may be purchased separately



BATY CRANKSHAFT ALIGNMENT GAUGE SET

| Code No | Resolution | Description |
|------------|------------|----------------------------------|
| 2553-D-SET | 0.01mm | 57-500mm web-to-web distance |
| 2552-D-SET | 0.0005" | 2 1/4" - 20" web-to-web distance |
| 2553-D/CG | 0.01mm | Indicator Only |
| 2552-D/CG | 0.0005" | Indicator Only |

Baty Indicator Test Sets

These are versatile instruments with countless uses in workshops and inspection departments; for example, concentricity checks, marking-out table and surface plate work, alignment of machine tools, testing, parallelism, etc.

Back Plunger Type Features

- 35mm diameter, back plunger dial indicator with holding rod
- Lever attachment
- Universal clamp
- G-clamp
- Tool post holder
- Domed anvil
- All supplied in wooden case



FTSM-1

Plunger Type Features

- 57mm diameter plunger dial indicator
- Lever attachment
- Universal clamp
- G-clamp
- Tool post holder
- All supplied in wooden case
- Spigot back



FTSU-M

BATY INDICATOR TEST SETS - BACK PLUNGER

| Code No | Range | Indicator Range | Graduation |
|---------|-------|-----------------|------------|
| FTSM-1 | 2mm | 0.01mm | 0-100 |
| FTSI-1 | 0.1" | 0.001" | 0-100 |

BATY INDICATOR TEST SETS - PLUNGER

| Code No | Range | Indicator Range | Graduation |
|---------|-------|-----------------|------------|
| FTSU-M | 10mm | 0.01mm | 0-100 |
| FTSU-I | 0.5" | 0.001" | 0-100 |

Bowers Aerospace Specials - Rivet Height Gauge

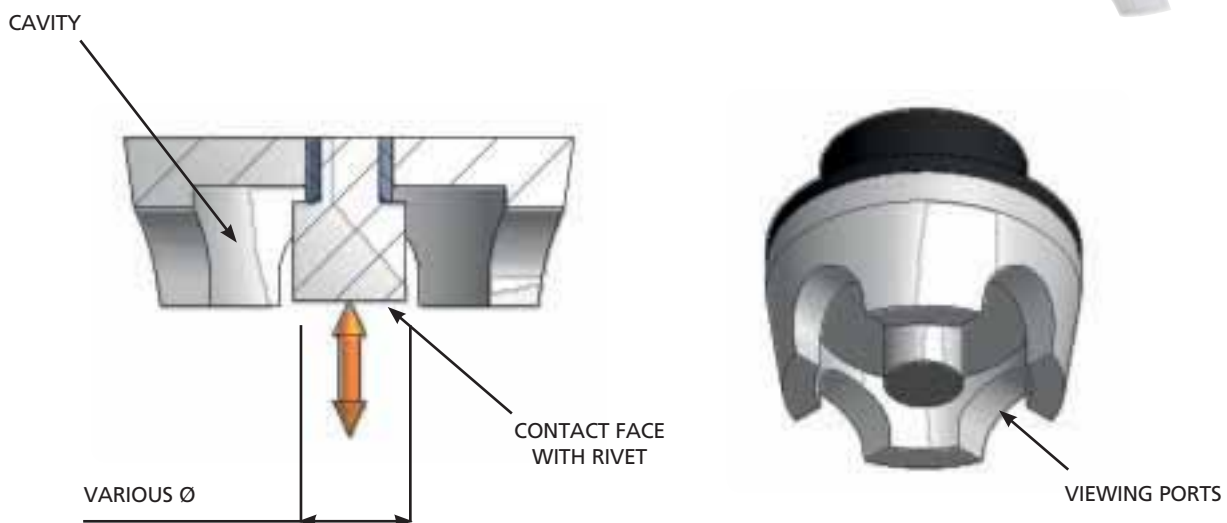
The Bowers Rivet Height Gauge has been specially designed to measure the height of rivets used on aircraft outer skin. If the top of the rivet is too high above or too low below the level of the rivet-hole, the streamlining of the aircraft will be affected. This wind-resistance will be magnified many times depending on the number of rivets present in the outer hull of the aircraft. The rivet-height gauge measures the height of the top of the rivet in relation to the level of the surrounding aircraft skin, enabling tolerances to be maintained and providing a valuable reference measurement to help determine the streamlining of the aircraft and the consequent effects on its aerodynamics and fuel efficiency.



Features

- Rivet diameters : 3/16", 1/4", 5/16", 3/8" available as standard
- Other rivet diameters available on request
- Digital display with mm / inch conversion and preset function
- Resolution : 0.0005" / 0.001mm
- Repeatability +/- 0.003µm
- RS-232 data output
- Scalloped base to facilitate visual location over the rivet
- Very easy to use
- Small portable format
- Robust construction
- Bluetooth option available

Different diameter and contact point options are available on request.



Bowers can deliver innovative and cost-effective solutions to the most demanding measurement challenge. If you have a specific requirement that you would like Bowers to assist with, please contact the Sales Team direct.



Bowers Aerospace Specials - Digital Countersink Gauge

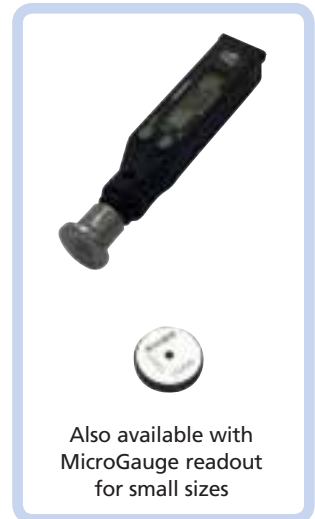
The Bowers Countersink Gauge can be used to check the major diameters of countersinks in the aircraft outer skin, prior to the application of rivets. The gauge can also be used for countersink measurement in general applications within the aerospace, automotive and other related industries.



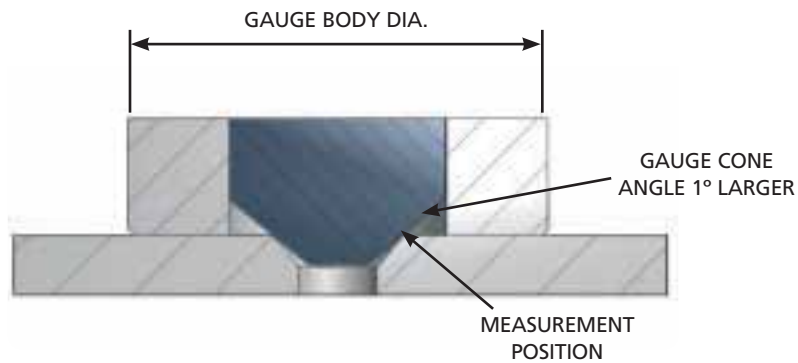
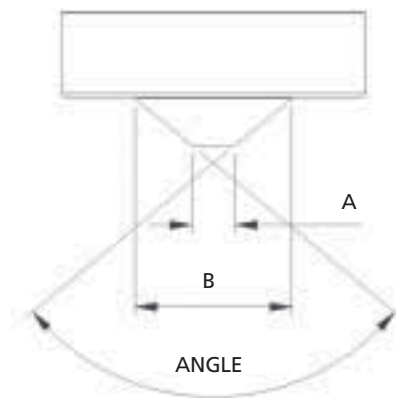
Features

- Standard range diameter 6-16mm / 1/4-5/8"
- Switchable resolution - inch/metric true conversion
- Preset facility
- Tolerance mode
- RS-232 data output
- Robust construction, hardened plunger, induction hardened body
- Standard plungers available to measure 90°, 100° and 110°
- Other angles available on request
- Setting master supplied as standard
- Bluetooth option available
- Indicator not included in price

Alternative size ranges can be manufactured to order.



Also available with MicroGauge readout for small sizes



DIGITAL COUNTERSINK GAUGE

| Code No | Range (mm) | Range (inch) | Dimn – A | Dimn – B | Setting Ring (mm) | Standard Angle Plunger |
|-------------------|--------------|--------------|----------|----------|-------------------|------------------------|
| BCSG-001M* | 4.76-12.7 | 3/16-1/2 | 3 | 14 | 8 Ø Conical | 100° |
| BCSG-002M* | 12.7-19.05 | 1/2-3/4 | 10 | 21 | 16 Ø Conical | 100° |
| BCSG-003M* | 19.05-28.57 | 3/4-1 1/8 | 17 | 30 | 23 Ø Conical | 100° |
| BCSG-004M* | 28.57-38.01 | 1 1/8-1 1/2 | 26 | 40 | 32 Ø Conical | 100° |
| BCSG-005M | 38.01-47.625 | 1 1/2-1 7/8 | 36 | 50 | 42 Ø Conical | 100° |
| BCSG-006M | 47.625-57.15 | 1 7/8-2 1/4 | 46 | 60 | 52 Ø Conical | 100° |
| BCSG-007M | 57.15-66.675 | 2 1/4-2 5/8 | 54 | 70 | 62 Ø Conical | 100° |

*Code No 10-CSG - Case for items highlighted (available at extra cost)

SYLVAC S_DIAL WORK ADVANCED DIGITAL INDICATOR

| Code No | Description | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Maximum Error (µm) |
|--------------------|-------------|------------|--------------|-----------------|-------------------|--------------------|
| 30-805-5301 | Advanced | 12.5 | 0.5 | 0.001 | 0.00005 | 3 |

Other Indicators or Indicating Units available, ask for details

Digital Indicator 405 Series

Features

Standard: Factory Standard

- Direct Inch / Metric conversion
- 58mm dial face
- Lugback and 8mm stem mountings
- Resolution 0.01mm / 0.0005"
- Absolute / Incremental reading
- Floating Zero
- Also supplied with flatback



DIGITAL INDICATOR

| Code No | Range (mm) | Range (inch) | Accuracy (mm) | Accuracy (inch) |
|------------|------------|--------------|---------------|-----------------|
| MW405-04DB | 0-12.7 | 0-0.5 | 0.02 | 0.0008 |
| MW405-06DB | 0-25.0 | 0-1.0 | 0.03 | 0.0012 |

Digital Absolute Indicator 430-DABS Series

Features

- Absolute Measuring System
- RS232 Digimatic output
- CR2032 battery
- 8mm/H7 clamping diameter
- Supplied with lugback and flat back
- Functions: tolerances, mm/inch conversion, Preset, data-output
- IP54 rated



DIGITAL ABSOLUTE INDICATOR

| Code No | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Accuracy (mm) | Accuracy (inch) |
|--------------|------------|--------------|-----------------|-------------------|---------------|-----------------|
| MW430-01DABS | 0-12.5 | 0-0.5 | 0.001 | 0.00005 | 0.004 | 0.0002 |
| MW430-02DABS | 0-25.4 | 0-1.0 | 0.001 | 0.00005 | 0.005 | 0.00025 |
| MW430-03DABS | 0-50.8 | 0-2.0 | 0.001 | 0.00005 | 0.006 | 0.0003 |

DATA CABLE

| Code No | Description |
|----------------|--|
| MW-Y100/700USB | Data Cable-USB to suit all DABS products |



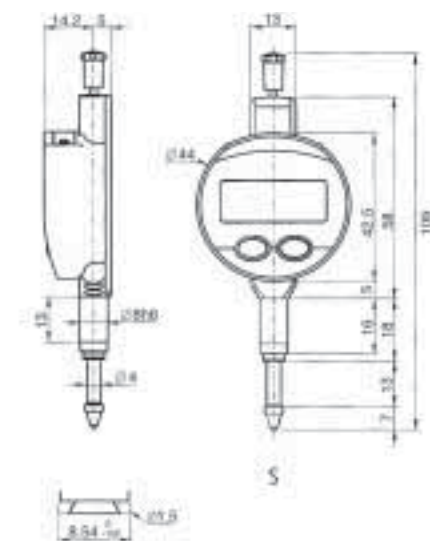
Sylvac IP65 Digital Mini Indicator

The Sylvac Digital Mini indicator boasts a remarkable rating of IP65 making it ideal for use in harsh environments. The simple to operate instrument has an impressive list of advanced features including a large easy to read display, relative/absolute modes, preset function, metric/inch modes.



Features

- Relative / absolute modes
- mm / inch conversion
- Accuracy: 20µ / 0.008" or 5µ / 0.0002"
- Preset function (max 130mm)
- Repeatability (+/-2s): 5µm / 0.0.0002"
- Max displacement speed: 2m / sec
- Measuring force: 0.5-0.9N
- Weight: 70g
- Battery: Lithium, 3V, CR2032
- Protection of the module according to IEC529: IP65 even with data output
- Autonomy: minimum 5000 hours in continuous use (corresponds to 2 years in output normal use/auto-off)
- Clamping: diameter 8h6 and dove-tail back
- Anvil with TC ball



SYLVAC IP65 DIGITAL MINI INDICATOR

| Code No | Description | Resolution (mm) | Resolution (inch) | Maximum Error (µm) | Repeatability (µm) |
|-------------|---|-----------------|-------------------|--------------------|--------------------|
| 30-905-4121 | Mini indicator 12.5mm Top Lifter | 0.01 | 0.0005 | 10 | 2 |
| 30-905-4125 | Mini indicator 12.5mm with bellows | 0.01 | 0.0005 | 10 | 2 |
| 30-905-4521 | Mini indicator 12.5mm Top Lifter | 0.001 | 0.00005 | 5 | 2 |
| 30-905-4525 | Mini indicator 12.5mm with bellows | 0.001 | 0.00005 | 5 | 2 |
| 30-905-4527 | Mini indicator 12.5mm Top Lifter "Factor" | 0.001 | 0.00005 | 5 | 2 |
| 30-905-4511 | Mini Indicator 5mm Travel Analogue | 0.001 | 0.00005 | 4 | 2 |
| 30-905-4515 | Mini indicator 5mm travel analogue with bellows | 0.001 | 0.00005 | 4 | 2 |
| 30-905-4140 | Vertical Display Mini Indicator 5mm Travel | 0.01 | 0.0005 | 10 | 2 |
| 30-905-4540 | Vertical Display Mini Indicator 5mm travel | 0.001 | 0.00005 | 5 | 2 |

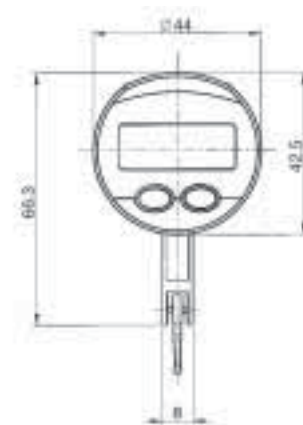
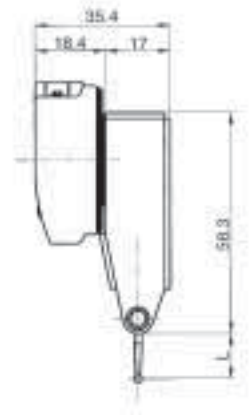
Sylvac Test Indicator

The unique Sylvac Quadra Test series gives the user all of the advantages of a sturdy, conventional analogue lever indicator, with the numerous useful facilities that can only be found in a quality digital gauge.



Features

- 4 measuring modes: Min, Max, TIR, and Direct
- 4 measuring resolutions 0.01mm, 0.001mm, 0.0005", 0.00005", except 30-705-4321 (0.01 / 0.0005" only)
- mm / inch conversion
- RS-232 output
- Water, oil and coolant resistant to IP65 - IEC 529 specification
- 44mm diameter dial face, rotates through 360°
- Clear bar-graph
- Easy to read numeric digital display
- Meets or exceeds Din/ISO standards
- Available with 12.5mm or extra-long 36.5mm contact point



SYLVAC TEST INDICATOR

| Code No | Description | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Probe Type |
|-------------|-----------------------------|------------|--------------|-----------------|-------------------|------------|
| 30-905-4321 | Quadra Test Lever Indicator | 0.8 | 0.03 | 0.001 | 0.00005 | 12.5mm |
| 30-905-4322 | Quadra Test Lever Indicator | 0.5 | 0.02 | 0.001 | 0.00005 | 36.5mm |



Sylvac S_Dial WORK Basic Digital Indicator

Features

- Robust construction
- Water and coolant resistant
- Standard functions (mm/inch, preset, direction of measurement)
- Automatic wake-up and sleeping mode (S.I.S system), absolute System



Swiss Precision

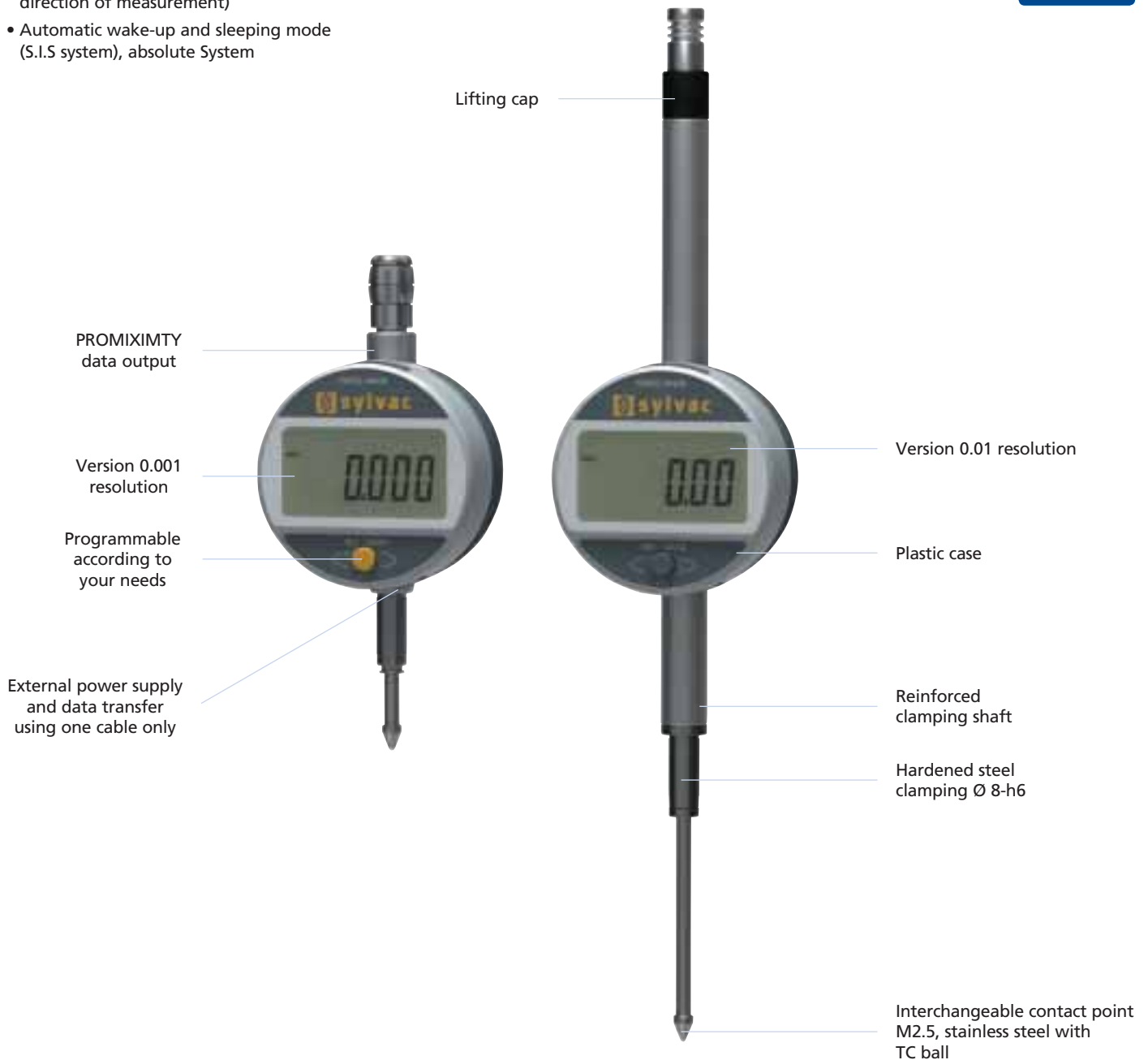


WiFi

Option



RS232



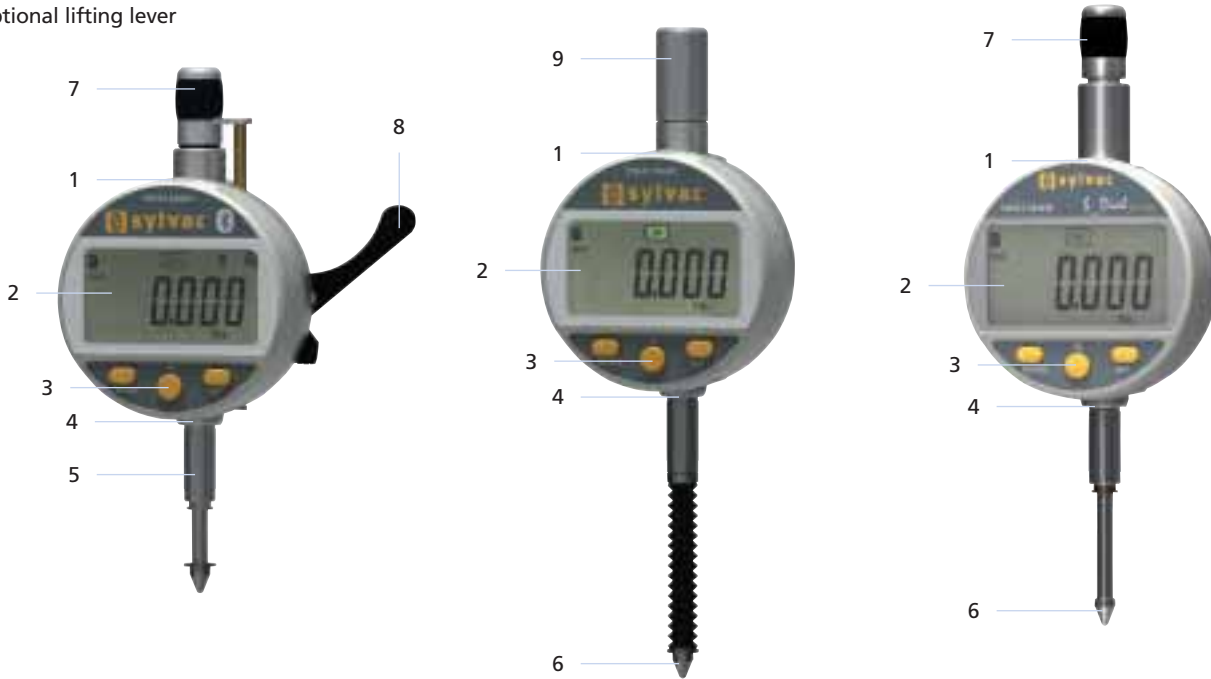
SYLVAC S_DIAL WORK BASIC DIGITAL INDICATOR

| Code No | Description | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Maximum Error (µm) | Repeatability (µm) |
|-------------|-------------|------------|--------------|-----------------|-------------------|--------------------|--------------------|
| 30-805-1201 | Basic | 12.5 | 0.5 | 0.01 | 0.0005 | 10 | 2 |
| 30-805-1301 | Basic | 12.5 | 0.5 | 0.001 | 0.00005 | 4 | 2 |
| 30-805-1401 | Basic | 25 | 1 | 0.01 | 0.0005 | 10 | 2 |
| 30-805-1501 | Basic | 25 | 1 | 0.001 | 0.00005 | 5 | 2 |
| 30-805-1601 | Basic | 50 | 2 | 0.01 | 0.0005 | 20 | 2 |
| 30-805-1621 | Basic | 50 | 2 | 0.001 | 0.00005 | 7 | 2 |

Sylvac S_Dial WORK Advanced Digital Indicator

Features

- Robust construction
- Water and coolant resistant
- Protection rating IP67 according to IEC 60529 for protected versions, even when connected
- New technology with configurable menus via PC
- Broad choice of functions (MIN/MAX/DELTA, TOL, Factor, PRESET, AUTO OFF, etc.)
- Automatic wake-up and sleeping mode (S.I.S system)
- Optional lifting lever



DATA TRANSMISSION

| Code No | Description |
|-------------|---------------------------------------|
| 30-926-6721 | Sylvac Proximity USB |
| 30-926-6821 | Powered Opto / USB |
| 25-604-064 | Wireless Proximity Module Transmitter |
| 25-604-013A | Wireless Powered Opto Module |

KEY

- | | | | |
|---|--|---|--|
| 1 | PROXIMITY data output | 6 | Interchangeable contact point M2.5, stainless steel with TC ball |
| 2 | Large display with integrated LEDs tolerances | 7 | Lifting cap |
| 3 | Programmable according to your needs | 8 | Optional lifting lever |
| 4 | External power supply and data transfer using one cable only | 9 | Dust cover |
| 5 | Hardened steel clamping Ø 8-hs | | |

SYLVAC S_DIAL WORK ADVANCED DIGITAL INDICATOR

| Code No | Description | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Maximum Error (µm) |
|-------------|---------------------|------------|--------------|-----------------|-------------------|--------------------|
| 30-805-5201 | Advanced | 12.5 | 0.5 | 0.01 | 0.0005 | 10 |
| 30-805-5301 | Advanced | 12.5 | 0.5 | 0.001 | 0.00005 | 3 |
| 30-805-5305 | Advanced, Protected | 12.5 | 0.5 | 0.001 | 0.00005 | 3 |
| 30-805-5401 | Advanced | 25 | 1.0 | 0.01 | 0.0005 | 10 |
| 30-805-5501 | Advanced | 25 | 1.0 | 0.001 | 0.00005 | 4 |
| 30-805-5505 | Advanced, Protected | 25 | 1.0 | 0.001 | 0.00005 | 4 |
| 30-805-5601 | Advanced | 50 | 2.0 | 0.01 | 0.0005 | 20 |
| 30-805-5621 | Advanced | 50 | 2.0 | 0.001 | 0.00005 | 5 |
| 30-805-5625 | Advanced, Protected | 50 | 2.0 | 0.001 | 0.00005 | 5 |
| 30-805-5641 | Advanced | 100 | 4.0 | 0.01 | 0.0005 | 20 |
| 30-805-5661 | Advanced | 100 | 4.0 | 0.001 | 0.00005 | 6 |
| 30-805-5671 | Advanced | 150 | 6.0 | 0.01 | 0.0005 | 20 |
| 30-805-5681 | Advanced | 150 | 6.0 | 0.001 | 0.00005 | 10 |
| 30-805-6301 | Advanced, Bluetooth | 12.5 | 0.5 | 0.001 | 0.00005 | 3 |
| 30-805-6501 | Advanced, Bluetooth | 25 | 1.0 | 0.001 | 0.00005 | 4 |
| 30-805-6621 | Advanced, Bluetooth | 50 | 2.0 | 0.001 | 0.00005 | 5 |
| 30-805-6661 | Advanced, Bluetooth | 100 | 4.0 | 0.001 | 0.00005 | 6 |



Sylvac S_Dial WORK Analogue Digital Indicators

Features

- Adaptive analogue display (up to 0.2µm per segment)
- Robust construction
- Water and coolant resistant
- New technology with configurable menus
- Broad choice of functions (MIN/MAX/DELTA, TOL, Factor, PRESET, AUTO OFF, etc.)
- Automatic wake-up and sleeping mode (S.I.S system), absolute System
- Maximum error of 3µm
- Bluetooth models available



30-805-5307

30-805-5507

30-805-6307

30-805-6507

TECHNICAL SPECIFICATION

| | 30-805-5307 | 30-805-5507 | 30-805-6307 | 30-805-6507 |
|---------------------------------------|---|-------------|---------------------|---------------------|
| Maximum Error fe (µm) | 3µm | 4µm | 1.8µm | 2.2µm |
| Repeatability (µm) | 2µm | 2µm | 0.5µm | 0.5µm |
| S_Connect : Proximity/Power | USB/RS232 | USB/RS232 | USB/RS232/Bluetooth | USB/RS232/Bluetooth |
| Programable by PC | Yes | Yes | Yes | Yes |
| Standard functions (customised by PC) | mm/inch, ref 1/11, preset (max 999.999) min/max/delta, tolerances, resolutions, direction of measurement, multiplication factor, automatic or manual switch off, key lock | | | |

SYLVAC S_DIAL WORK ANALOGUE DIGITAL INDICATORS

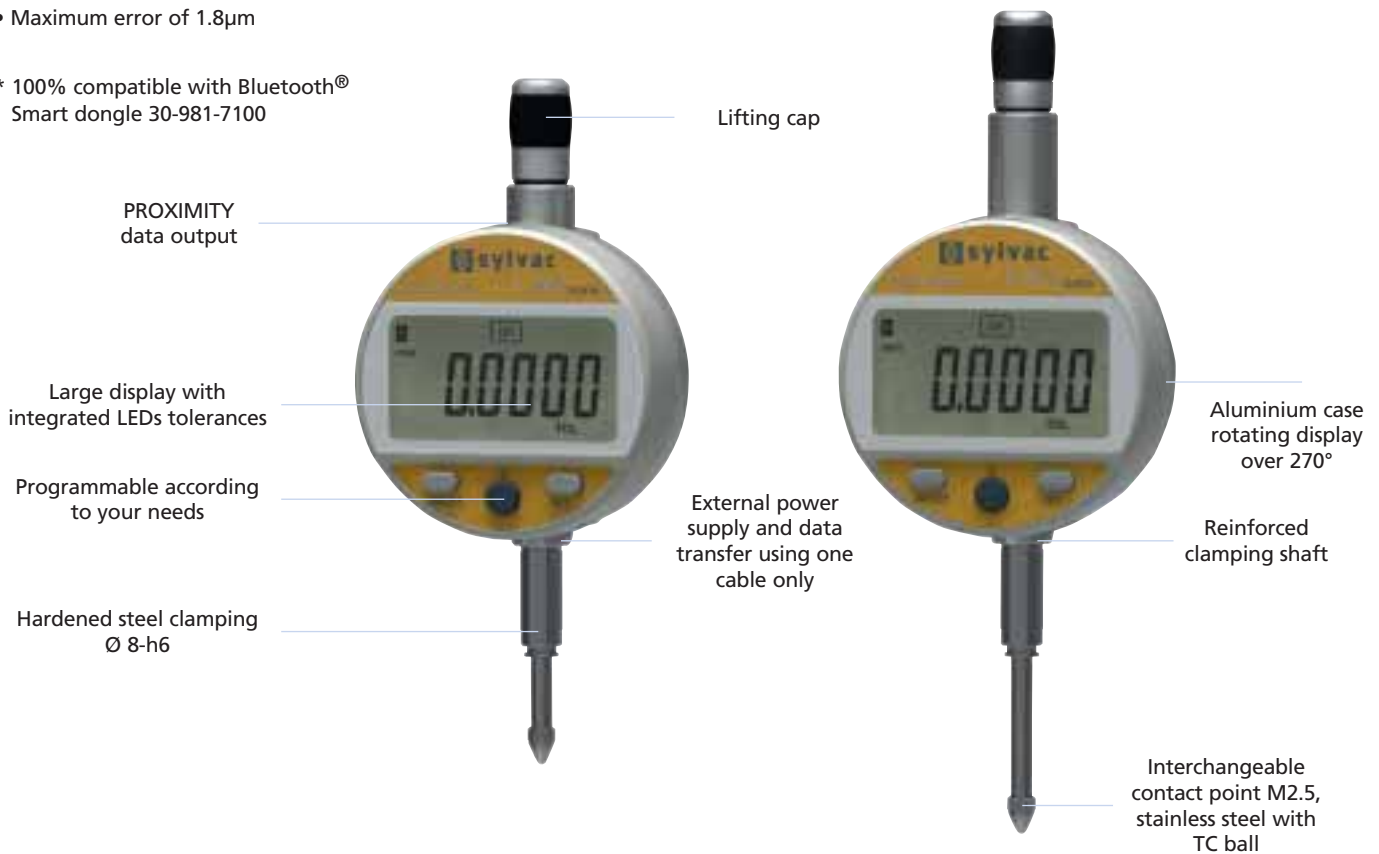
| Code No | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Note |
|-------------|------------|--------------|-----------------|-------------------|----------------|
| 30-805-5307 | 12.5 | 0.5 | 0.001 | 0.00005 | |
| 30-805-5507 | 25 | 1.0 | 0.001 | 0.00005 | |
| 30-805-6307 | 12.5 | 0.5 | 0.0001 | 0.00005 | with Bluetooth |
| 30-805-6507 | 25 | 1.0 | 0.0001 | 0.00005 | with Bluetooth |

Sylvac S_Dial WORK Nano Digital Indicators

Features

- 0.1µm resolution
- Robust construction
- Water and coolant resistant
- New technology with configurable menus
- Broad choice of functions (MIN/MAX/DELTA, TOL, Factor, PRESET, AUTO OFF, etc.)
- Automatic wake-up and sleeping mode (S.I.S system), absolute System
- Maximum error of 1.8µm

* 100% compatible with Bluetooth® Smart dongle 30-981-7100



TECHNICAL SPECIFICATION

| | 30-805-5306 | 30-805-5506 | 30-805-6306 | 30-805-6506 |
|---------------------------------------|--|-------------|-----------------------------|-------------|
| Maximum Error fe (µm) | 1.8µm | 2.2µm | 1.8µm | 2.2µm |
| Repeatability (µm) | 0.5µm | 0.5µm | 0.5µm | 0.5µm |
| Model type | Standard | Standard | Standard | Standard |
| S_Connect : Proximity/Power | USB/RS232 | USB/RS232 | USB/RS232/Bluetooth® Smart* | |
| Programmable by PC | Yes | Yes | Yes | Yes |
| Standard functions (customised by PC) | mm/inch, ref I/II, preset (max 999.999) min/max/delta, tolerances, direction of measurement, multiplication factor, automatic or manual switch off, key lock | | | |

*100% compatible with Bluetooth® Smart dongle 30-981-7100

SYLVAC S_DIAL WORK NANO DIGITAL INDICATORS

| Code No | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Note |
|-------------|------------|--------------|-----------------|-------------------|-----------|
| 30-805-5306 | 12.5 | 0.5 | 0.0001 | 0.000005 | - |
| 30-805-5506 | 25 | 1.0 | 0.0001 | 0.000005 | - |
| 30-805-6306 | 12.5 | 0.5 | 0.0001 | 0.000005 | Bluetooth |
| 30-805-6506 | 25 | 1.0 | 0.0001 | 0.000005 | Bluetooth |



Sylvac S_Dial PRO Digital Indicator

Features

- Resolution of 0.1µm
- Broad choice of functions (MIN/MAX/DELTA, TOL, Factor, PRESET, AUTO OFF, etc.)
- Max error 1.5µm / 50mm
- Constant measuring force (depending on model)
- Clamping stem Ø8 or Ø25 (depending on model)
- Mixed ceramic bearing / ball bearing system
- Measuring system with homing
- Battery life : 2 years
- Data output PROXIMITY and POWER



Swiss Precision



WiFi

Option



RS232



30-805-8601



30-805-8602



30-805-8501



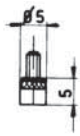
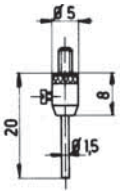
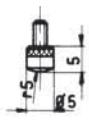
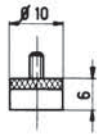
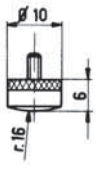
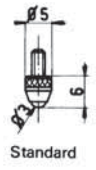
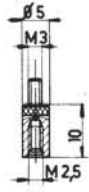
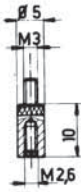
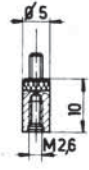
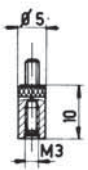
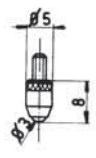
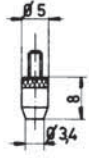
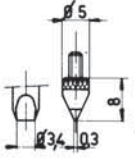
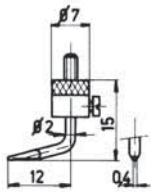
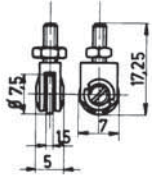
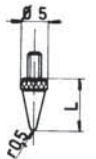
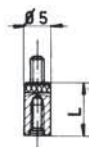
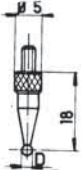
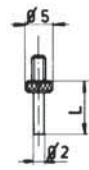
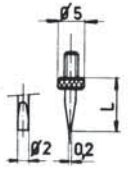
30-805-8661

SYLVAC S_DIAL PRO DIGITAL INDICATOR

| Code No | Description | Range (mm) | Range (inch) | Resolution (mm) | Resolution (inch) | Maximum Error (µm) | Repeatability (µm) | Note |
|-------------|-------------|------------|--------------|-----------------|-------------------|--------------------|--------------------|---------------|
| 30-805-8601 | Basic | 50 | 2 | 0.0001 | 0.000005 | 1.5 | 0.2 | Clamp: Ø8 h6 |
| 30-805-8602 | Basic | 50 | 2 | 0.0001 | 0.000005 | 1.5 | 0.2 | Clamp: Ø25 g7 |
| 30-805-8701 | Basic | 50 | 2 | 0.0001 | 0.000005 | 1.5 | 0.2 | Clamp: Ø8 h6 |
| 30-805-8702 | Basic | 50 | 2 | 0.0001 | 0.000005 | 1.5 | 0.2 | Clamp: Ø25 g7 |
| 30-805-8501 | Basic | 25 | 1 | 0.0001 | 0.000005 | 1.3 | 0.2 | Clamp: Ø8 h6 |
| 30-805-8502 | Basic | 25 | 1 | 0.0001 | 0.000005 | 1.3 | 0.2 | Clamp: Ø8 h6 |
| 30-805-8661 | Basic | 100 | 4 | 0.0001 | 0.000005 | 2.2 | 0.2 | Clamp: Ø8 h6 |

Contact Points

Bowers offers a wide selection of quality contact points to suit all analogue and digital indicators transducer probes, etc. containing standard M2.5 thread.

| | | | | |
|---|---|---|---|---|
| <p>Steel T/C</p>  <p>Code No 40-42A20 40-42A21</p> | <p>Steel T/C</p>  <p>Code No 40-42A22 40-42A23</p> | <p>Steel T/C</p>  <p>Code No 40-42A24 40-42A25</p> | <p>Steel T/C</p>  <p>Code No 40-42A26 40-42A27</p> | <p>Steel T/C</p>  <p>Code No 40-42A28 40-42A29</p> |
| <p>Steel T/C</p>  <p>Standard</p> <p>Code No 40-42A30 40-42A31</p> |  <p>Code No 40-42A85</p> |  <p>Code No 40-42A86</p> |  <p>Code No 40-42A87</p> |  <p>Code No 40-42A88</p> |
| <p>Steel T/C</p>  <p>Code No Description 40-42A40 40-42A41 10-901994 Hard plastic ball</p> | <p>Steel T/C</p>  <p>Code No 40-42A42 40-42A43</p> | <p>Steel T/C</p>  <p>Code No 40-42A44 40-42A45</p> |  <p>Code No 40-42A82</p> |  <p>Code No 40-42A83 flat 40-42A84 convex</p> |
|  <p>Code No 40-42A54 (5mm long) 40-42A55 - 10mm 40-42A56 - 15mm 40-42A57 - 20mm 40-42A58 - 30mm 40-42A59 - 40mm 40-42A60 - 50mm</p> | <p>Extension</p>  <p>Code No 40-42A61 (10mm long) 40-42A62 - 15mm 40-42A63 - 20mm 40-42A64 - 25mm 40-42A65 - 30mm 40-42A66 - 35mm 40-42A67 - 40mm 40-42A68 - 45mm 40-42A69 - 50mm</p> |  <p>Code No 40-42A70 (1mm dia. carbide) 40-42A71 - 2mm 40-42A72 - 3mm 40-42A73 - 4mm 40-42A74 - 5mm 40-42A75 - 6mm 40-42A76 - 7mm 40-42A77 - 8mm 40-42A78 - 9mm 40-42A79 - 10mm 40-42A80 - 11mm 40-42A81 - 12mm</p> |  <p>Code No 40-42A46 (5mm long) 40-42A47 - 10mm 40-42A48 - 15mm 40-42A49 - 20mm</p> |  <p>Code No 40-42A50 (5mm long) 40-42A51 - 10mm 40-42A52 - 15mm 40-42A53 - 20mm</p> |



BOWERS GROUP



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