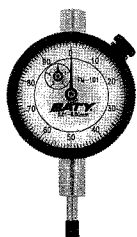
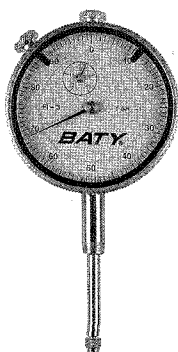


plunger dial indicators

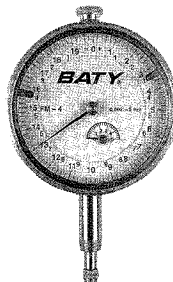
The Baty range of Plunger Dial Indicators includes a model for all applications. Building on decades of experience we offer standard indicators in the three most popular sizes. All units are supplied with 8 mm stems, M2.5 threads and offset lug backs.



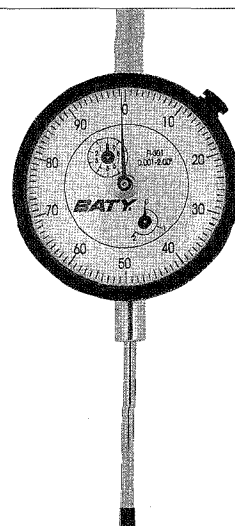
Model FM-101



Model FI-3



Model FM-4



Model FI-301

Benefits:

Long Life – Proven designs, with jewelled bearings on small movements and those with high resolution / long travel

Accuracy – Resolution down to 0.001 mm. Calibration certificate supplied with all units reading better than 0.1 mm

Flexibility – Dual marking on six high resolution models allows use for continuous read or balanced reading applications.

Group 1 Indicators 43 mm (1 3/4") Nominal Diameter

Model	Reading	Range	Range per Rev.	Graduation	Anvil	Notes
FI-101	0.001"	0.3"	0.1"	0-100	A	J
FI-101/B	0.001"	0.3"	0.1"	0-50-0	A	J
FM-101	0.01 mm	6 mm	1.0 mm	0-100	A	J
FM-101/B	0.01 mm	6 mm	1.0 mm	0-50-0	A	J

Group 2 Indicators 57 mm (2 1/4") Nominal Diameter (metric)

Model	Reading	Range	Range per Rev.	Graduation	Anvil	Notes
FM-1	0.01 mm	10 mm	1.0 mm	0-50-0	B	
FM-2	0.01 mm	10 mm	1.0 mm	0-100	B	
FM-3	0.01 mm	25 mm	1.0 mm	0-100	B	
FM-4	0.002 mm	5 mm	0.2 mm	0-20/0-10-0	B	
FM-8	0.002 mm	12 mm	0.2 mm	0-10-0/0-20	A	J
FM-5	0.001 mm	1 mm	0.2 mm	0-200/0-100-0	B	
FM-6	0.1 mm	10 mm	10.0 mm	0-10	B	
FM-7	0.1 mm	25 mm	10.0 mm	0-10	B	
FM-SR	0.01 mm	1 mm	1 mm	50-0-50	A	J single revolution only
FM-CSR	0.01 mm	0.8 mm	0.8 mm	40-0-40	B	single revolution only

Group 2 Indicators 57 mm (2 1/4") Nominal Diameter (imperial)

Model	Reading	Range	Range per Rev.	Graduation	Anvil	Notes
FI-1	0.001"	0.5"	0.1"	0-50-0	B	
FI-2	0.001"	0.5"	0.1"	0-100	B	
FI-3	0.001"	1"	0.1"	0-100	B	
FI-4	0.0005"	0.5"	0.05"	0-50/0-25-0	B	
FI-5	0.0001"	0.2"	0.01"	0-100/0-50-0	B	
FI-6	0.0001"	0.5"	0.01"	0-100/0-50-0	B	
FI-SR	0.001"	0.080"	0.080"	40-0-40	A	J single revolution only

Group 3 Indicators 75 mm (3") Nominal Diameter

Model	Reading	Range	Range per Rev.	Graduation	Anvil	Notes
FI-301	0.001"	2.0"	0.1"	0-100	A	J
FM-301	0.025 mm	50 mm	2.5 mm	0-25	A	J

Notes

Units noted as 'J' have jewelled bearings

Anvil type 'A' is 4.5 mm diameter steel, domed 4.5 mm radius

Anvil type 'B' is a 5.5 mm diameter anvil fitted with a tungsten carbide ball, 3 mm diameter

Single revolution dial indicators are included in the range to provide reliable readings and remove a risk of operator error. These indicators (with SR in the part number) are especially useful when fitted to comparative gauging fixtures such as the Baty checkmaster.

plunger dial indicators

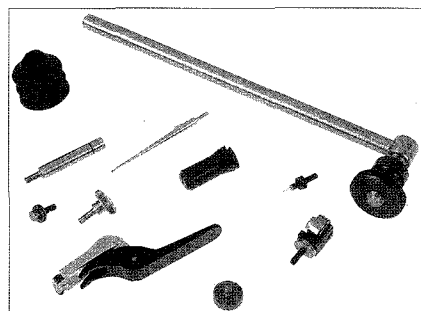
baty

DIMENSIONAL

Accessories / Options

The applications of a plunger dial indicator can be extended and facilitated by a wide range of options and accessories.

Special dial markings enable direct read out of measurements particular to your own application.



Contact Tips / Extensions- 2.5 mm Thread

Part No.	Description
MA-110	Roller anvil
MA-111	Radiused anvil 8 mm rad. x 9.5 mm dia.
MA-114	Flat anvil 4 mm dia.
MA-115	Flat anvil 6 mm dia.
MA-116	Flat anvil 8 mm dia.
MA-117	Flat anvil 10 mm dia.
MA-118	Flat anvil 12 mm dia.
MA-119	Flat anvil 15 mm dia.
MA-120	Flat anvil 20 mm dia.
MA-121	Flat anvil 25 mm dia.
MA-106	Needle anvil
MA-136	Rack extension 15 mm long
MA-138	Rack extension 25 mm long
MA-139	Rack extension 30 mm long
MA-142	Rack extension 60 mm long

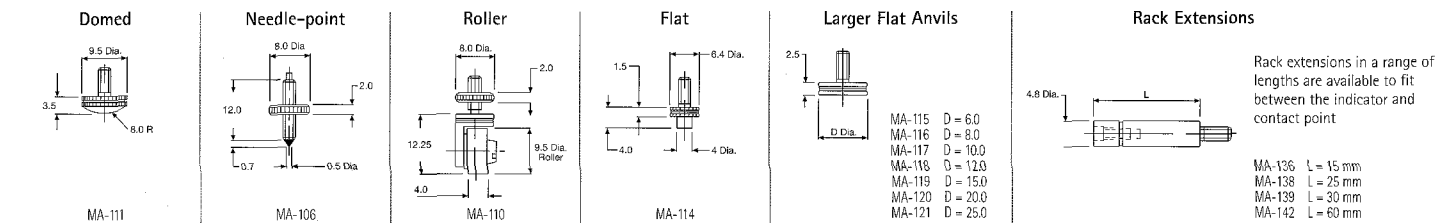
Other Accessories

Part No.	Description
DQ10-48	Bottom gaiter For 12 mm max. travel
DQ101/A	Lever attachment 25 mm reach, to fit 8 mm stem
DQ30-14	Lever attachment 45 mm reach, to fit 8 mm stem
DQ20-50	Universal clamp 1/2" x 7/8" holes
T5	Holding rod 1/2" dia. x 10.5" long
T-7	Holding rod 1/4" dia. x 134 mm long
DQ100/M	Lifting lever 12 mm lift to fit 8 mm stem
DQ122/M	Lifting lever 25 mm lift to fit 8 mm stem

Changing anvils allows access to measurements that might be difficult to achieve with the standard anvils supplied.

Standard dial marking is identified in catalogues and price lists.

For other sizes, imperial thread and dial marking options, please contact Baty sales, see page 2.



dial gauge calibrator

baty

The Baty Model 4000 Dial Gauge Calibrator can be used as a portable device for roaming shop floor gauge calibration checks. Its universal design enables it to calibrate both plunger and lever DTI's with ease, by comparing measured values with those of the master accuracy supplied.

For high accuracy master calibration in the standards room, the Model 4000 can be fitted with the BLE-25S linear encoder and BDR-400 digital display, to give a resolution of 0.05um.

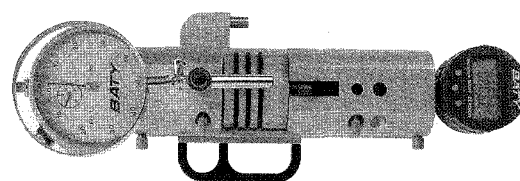
- > 25 mm travel covering the majority of common indicators
- > Portable design allows quick shop floor calibration status checks
- > Accepts lever indicators with a stylus up to 40 mm long
- > Also determines gauge hysteresis (not possible using conventional gauge blocks)
- > Computer interface for calibration reports
- > High accuracy master display option for standards room use.

The standard kit incorporates:

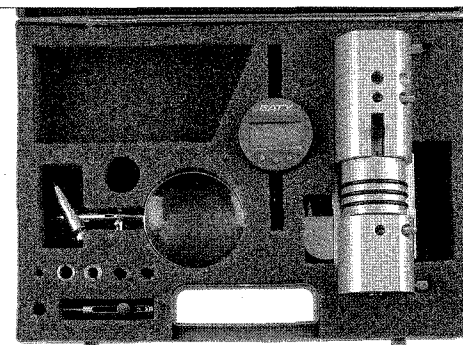
- > Carry case
- > Model 4000 calibrator
- > Portable master gauge, model FD-12
- > Magnifying glass
- > 8 mm, 10 mm and 3/8" stem mounting bushes
- > Lever indicator mounting accessory.

Master Gauge Specifications

	Model	Resolution	Travel	Notes
Portable	FD-12	0.001 mm / 0.0001" / 0.00005"	25 mm	Standard (see page 4)
Portable	BDG-525	0.0005 mm	25 mm	Option
Bench	BLE-25S	0.00005 mm	25 mm	Option
Bench	BDR-400	Digital Display	Refer to page 18 - Digital Measuring Transducers	



Model 4000



Model 4000 kit