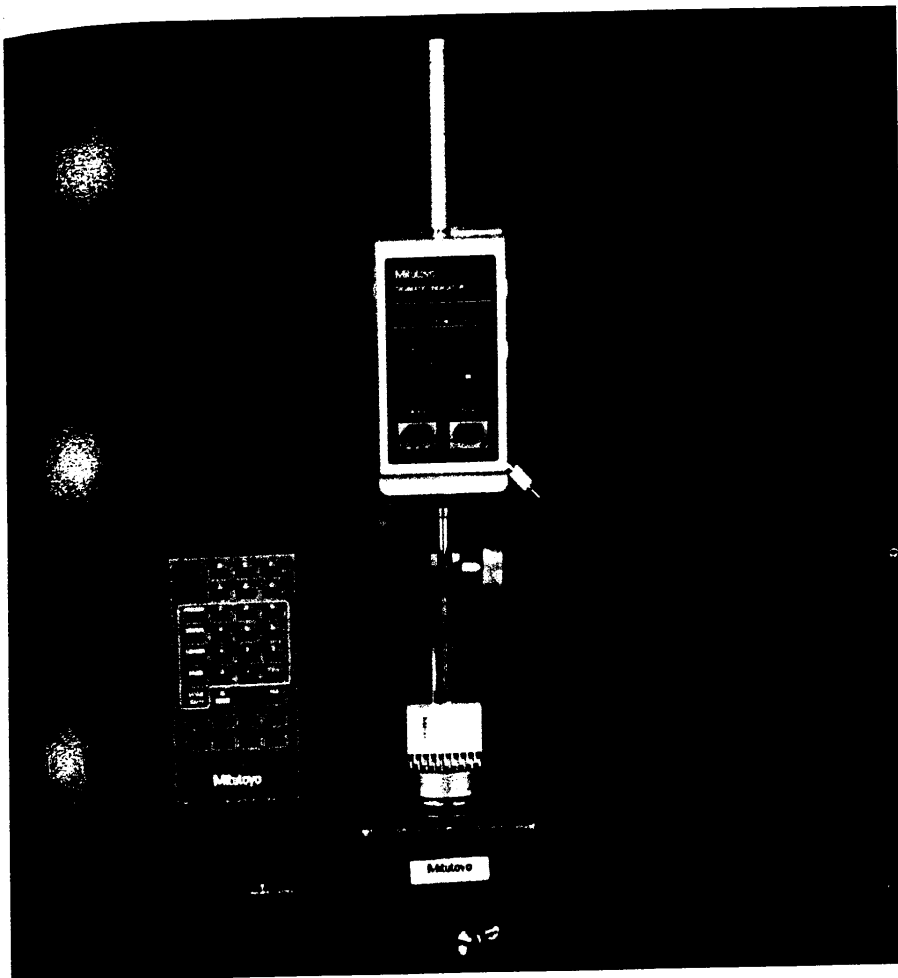


543 series

Digimatic Indicators



Range	Resolution	No.	Acc. (mm)	Meas Force (N)
12.7mm .5"	0.001mm/ 0.0001"	543-521E	0.002	1.28
30mm/ 1.2"	0.001mm/ 0.0001"	543-523E	0.002	1.47
50mm/ 2"	0.001mm/ 0.0001"	543-525E	0.003	1.77

Type IDF

This Digimatic Indicator has a host of advanced features. This model is also available with an optional infra-red controller which can provide the unique convenience of remote control.

One remote control can command up to 16 groups of IDF Indicators, either separately or together in a gauging system, with digimatic output to SPC systems. The Remote Controller has a range of up to 7m.

- Reflective photoelectric linear encoder with no mechanical amplification for unsurpassed durability.
- Extremely high measuring accuracy.
- Functions:
 - Zero-setting
 - MAX/MIN measurement
 - Runout measurement
 - Direction changeover
 - Inch/mm conversion (inch/metric models)
 - On/Off
 - Error Alarm
 - Data Output

Additional functions available with use of optional remote control.

- Presetting
- Tolerance setting
- GO/NG judgement
- Data Load
- Mean value measurement

Standard Accessories

- Camera release cable
- Spindle lifting hook
- 9v DC mains adaptor

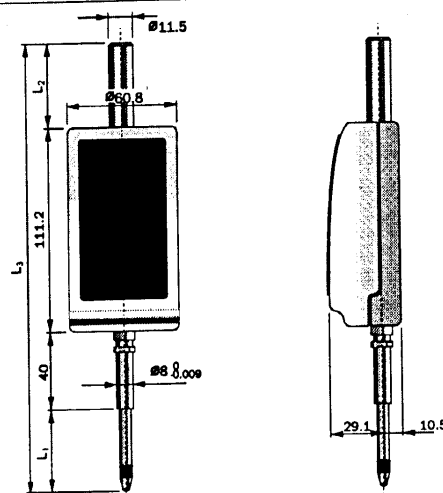
Optional Accessories

- **543-005** Infra-red Remote Controller
- **905664** Lug Back

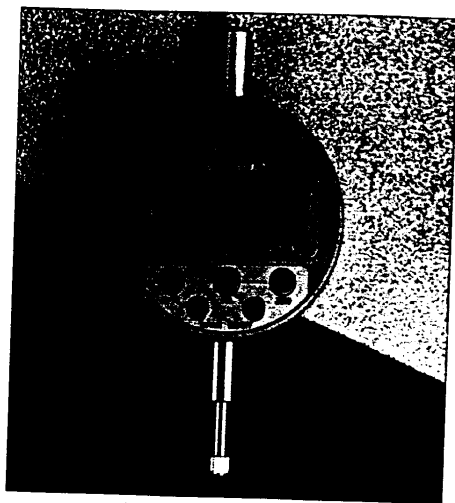
See page 275 for connecting cable

Unit: mm

RANGE	L ₁	L ₂	L ₃
12	22	43.8	22
30	45	43.8	45
50	65	63.8	65



543 series

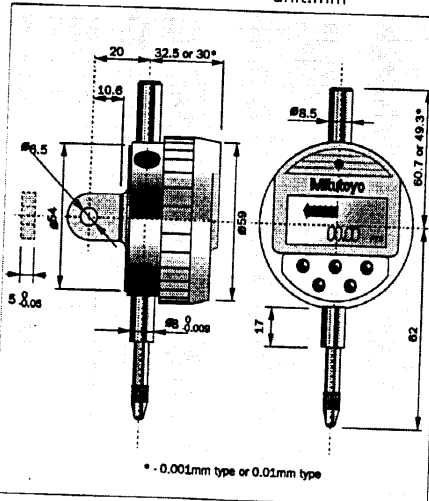


Type IDA

This Digimatic Indicator combines the best in analogue and digital measurement technology. A large clear LCD display shows numerically the spindle movement whilst the upper sector of the display indicates by means of a variable bar graph if the dimension is within limits, allowing instant GO/NO GO determination.

- Inch/mm instant conversion
- Analog resolution: x1/x10 switchable
- Zero-set, Tolerance Set
- Bar-graph resolution change.

Dimensions unit:mm

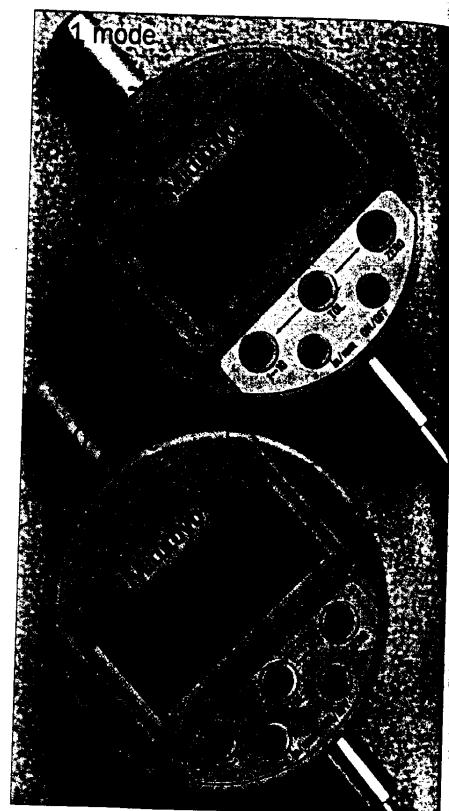


- Alarm function: B = Battery low
E-05 = Overspeed
E-5E = Tolerance setting error
- Dial rotation 330°
- Self-contained power supply (Battery life 1100 hours) SR44 (2)
- Range 12.7mm/.50"
- Response speed 1000mm/40" per sec.
- Storage temperature -10°C to 60 °C
- Operating temperature 0°C to 40°C.
- Measuring force 0.98N (0.01mm)
1.47N (0.001mm)

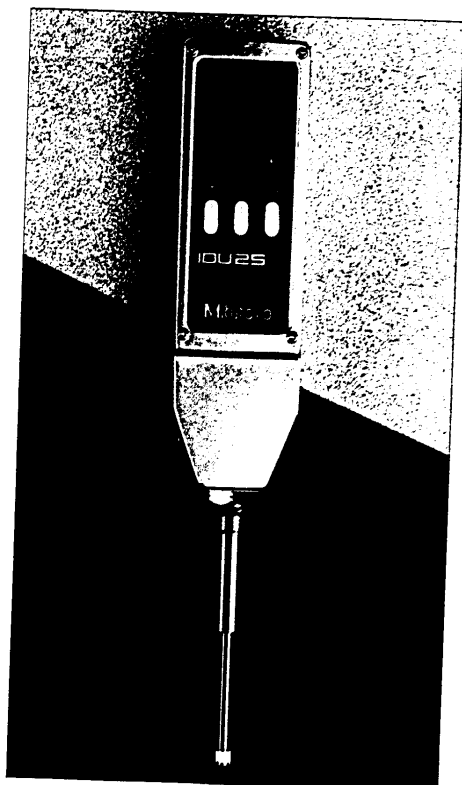
See page 275 for connecting cables

Digimatic Indicators

Range	No.	Res.	Accuracy
12mm/ 0.5"	543-140	0.01mm/ 0.001"	0.02mm
12mm/ 0.5"	543-185	0.001mm 0.0001"	0.003mm



575 series



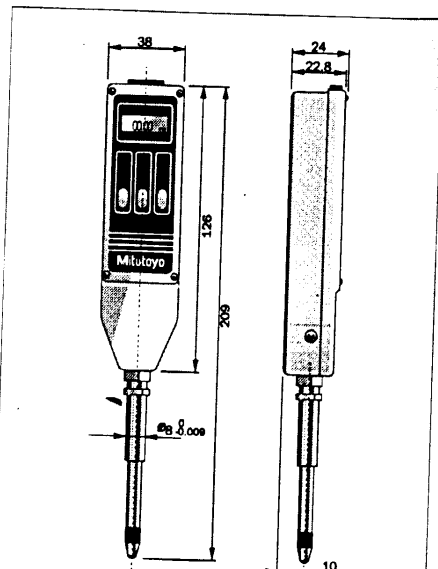
The IDU is a low cost model that has been produced to provide a simple Digital electronic indicator for workshop use as well as OEM applications. It is a compact design incorporating sealed control switches to provide maximum protection from oil, dirt and dust.

- Data Output
- Thread and nut provided for Jig and Fixture applications.
- Zero-set in any position
- Inch/metric conversion
- Error indicator for Spindle overspeed
- Max Response speed: 1600mm/sec
- Power supply
SR44 battery (1 pc) 8000 hours.

See page 275 for connecting cables

Digimatic Indicators

Range	No.	Res.	Accuracy (mm)	Meas Force (N)
25mm/ 1"	575-213	0.01mm/ 0.0005"	0.02	1.76



543 series



Type IDS

The IDS indicator provides inexpensive electronic gauging. The indicator can be used on its own or part of a gauging system and incorporates data output for SPC.

- Simple design as compact as standard dial indicators.
- Comes in both battery and external power supply types.
- The battery type is designed for portable use. It is powered by a SR44 battery that has a life of 8000 hours.
- The external power supply type is suitable for installation in measuring jigs and automated gauging systems. It is powered by an optional Digimatic Power Supply Unit. It is possible to zero-set with a foot switch.
- Maximum response speed: 1600mm/s
- Operating temperature: 0°C to 40°C
- With back lug on centre

Digimatic Indicators

Range	No.	Res.	Accuracy
Battery Type			
12mm/ 0.5"	543-601-5	0.01mm/ 0.0005"	0.02mm
Power Supply Type			
12mm/ 0.5"	543-641-5	0.01mm/ 0.0005"	0.02mm
	965275	Power Supply Unit	

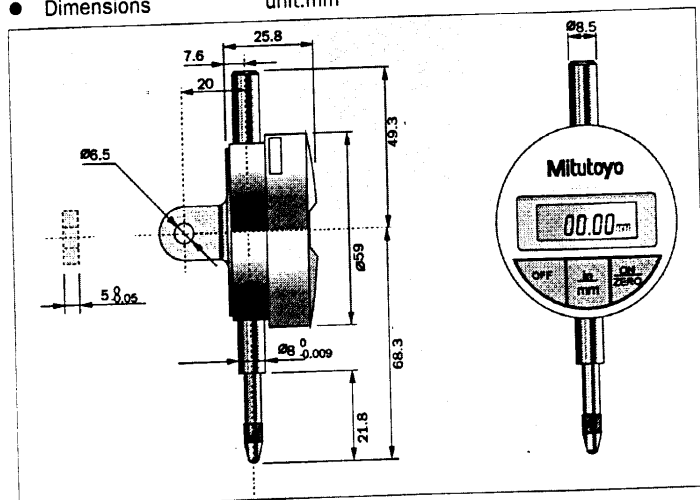
- Functions
 - Zero-setting
 - Data output
 - Inch/mm conversion
 - Error alarm
 - Low battery alarm

For use in any imperial clamping facility a 9.52mm (3/8") dia sleeve will need to be purchased separately. Part Number 206983

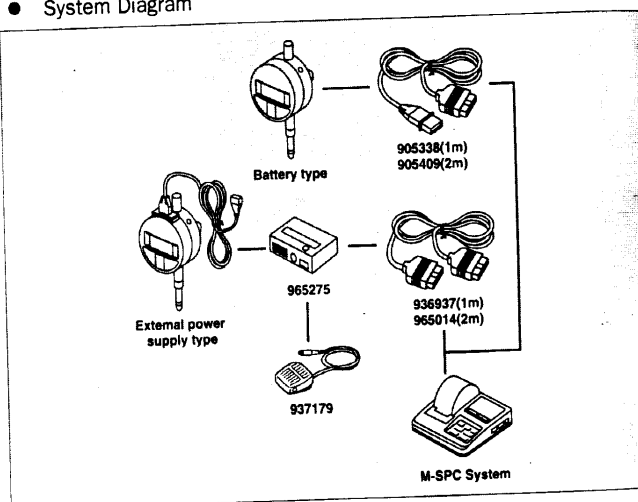
See page 275 for connecting cables

Dimensions

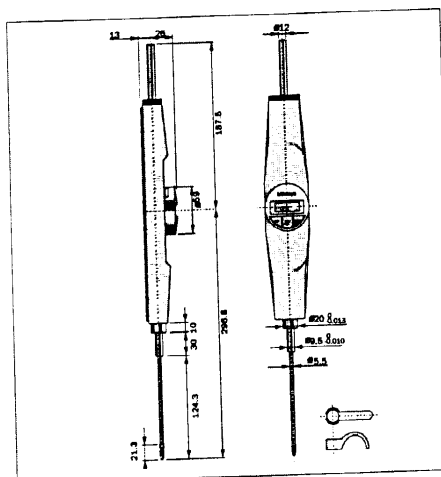
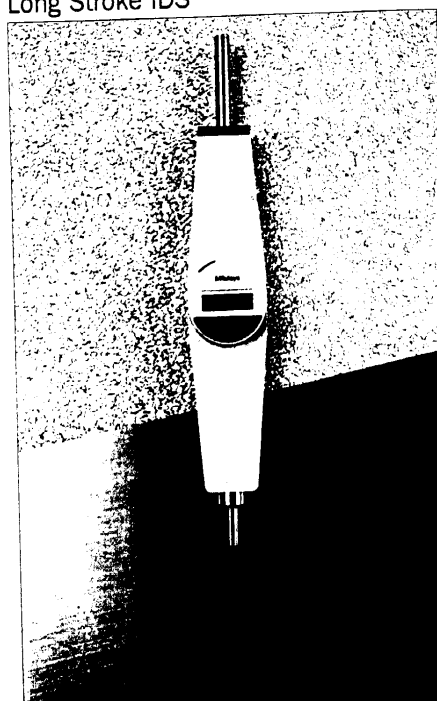
unit:mm



System Diagram



Long Stroke IDS



The long stroke IDS incorporates all the features of the regular IDS with the added advantage of extended travel to 4". A large LCD display makes for easier reading, whilst the function keys are protected by a membrane cover.

Range	No.	Res.	Accuracy
100mm/ 4"	543-617	0.01mm/ 0.0005"	0.04mm

