



BEARING & TOOL CENTRE



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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Quotation

53 | Digital Dial Gauge

Range-mm	W	C	D %	10	25	12.5	25	12.5 (IP 65)
Least count				0.01	0.01	0.001	0.001	0.001
Insize Rs.	12	Y		4189	7814	13032	14793	
Code				2112-10	2104-25	2103-10	2103-25	
Catalog				Page No - 2	Page No - 2	Page No - 2	Page No - 2	
Insize Rs.				5035	5035	5035		
SPC Cable (7302)				SPC3A	SPC3A	SPC3A		
Catalog				Page No - 3	Page No - 3	Page No - 3		
Precise Rs.	12	N		2200	3800	4200	6000	
Aerospace Rs.		N	10	1750	4320	4200	6000	
Baker Rs. (0.01 & 0.001)	12	Y	5			15900	17700	22000
Code						W1	W2	MD001
RS 232 data cable Rs.						4390	4390	6500
Catalog						Page No - 5	Page No - 5	
Mitutoyo Rs.	12	N	5	8015		16001	28865	
Code				543 - 681		543 - 250 / 390	543 - 551	
Catalog						Page No - 6	Page No - 6	

Note:- Aerospace item once sold will not be taken back even if it is Faulty.

*** W – Warranty , C – Certificate , D- Discount

Terms & Conditions –

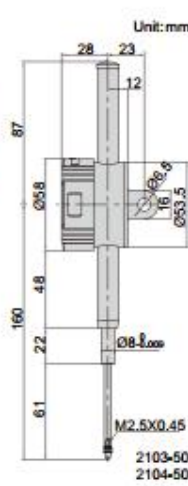
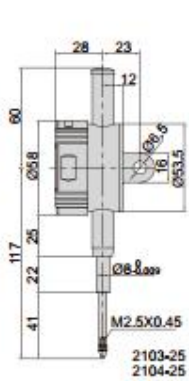
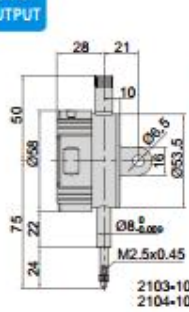
- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

INSIZE MAKE

DIGITAL INDICATOR (ADVANCED MODEL)

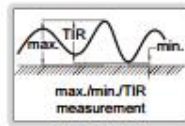


DATA OUTPUT



- Reading in digit and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7302-SPC3A, 7305-SPC1A), backs (page 101), contact points (page 98-100)

spindle lift knob is included



Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark
2103-10F*	12.7mm/0.5"	5µm	2µm	flat back
2103-25F*	25.4mm/1"	5µm	3µm	flat back
2103-50F*	50.8mm/2"	6µm	3µm	flat back
2103-10*	12.7mm/0.5"	5µm	2µm	lug back
2103-25*	25.4mm/1"	5µm	3µm	lug back
2103-50*	50.8mm/2"	6µm	3µm	lug back

Resolution 0.01mm/0.0005"

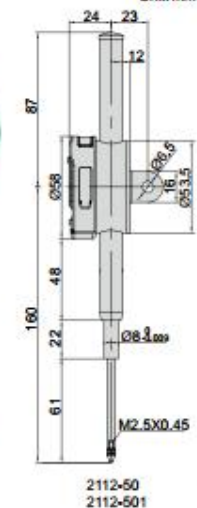
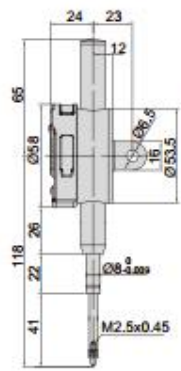
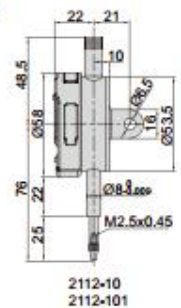
Code	Range	Accuracy	Hysteresis	Remark
2104-10F*	12.7mm/0.5"	20µm	10µm	flat back
2104-25F*	25.4mm/1"	20µm	10µm	flat back
2104-50F*	50.8mm/2"	30µm	10µm	flat back
2104-10*	12.7mm/0.5"	20µm	10µm	lug back
2104-25*	25.4mm/1"	20µm	10µm	lug back
2104-50*	50.8mm/2"	30µm	10µm	lug back

* Supplied with manufacturer inspection certificate traceable to NIST USA

DIGITAL INDICATOR (STANDARD MODEL)



DATA OUTPUT



- Button function: on/off, inch/mm, zero
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7302-SPC3A, 7305-SPC1A), backs (page 101), contact points (page 98-100)

spindle lift knob is included



Resolution 0.001mm/0.00005"





Code	Range	Accuracy	Hysteresis	Remark
2112-101F*	12.7mm/0.5"	5µm	2µm	flat back
2112-251F*	25.4mm/1"	5µm	3µm	flat back
2112-501F*	50.8mm/2"	6µm	3µm	flat back
2112-101*	12.7mm/0.5"	5µm	2µm	lug back
2112-251*	25.4mm/1"	5µm	3µm	lug back
2112-501*	50.8mm/2"	6µm	3µm	lug back

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark
2112-10F*	12.7mm/0.5"	20µm	10µm	flat back
2112-25F*	25.4mm/1"	20µm	10µm	flat back
2112-50F*	50.8mm/2"	30µm	10µm	flat back
2112-10*	12.7mm/0.5"	20µm	10µm	lug back
2112-25*	25.4mm/1"	20µm	10µm	lug back
2112-50*	50.8mm/2"	30µm	10µm	lug back

* Supplied with manufacturer inspection certificate traceable to NIST USA

WIRELESS DATA TRANSFER SYSTEM

Code	Description	Applicable products
7306-1	receiver (with USB cable)	
7306-2	receiver (with RS232 cable)	
7306-20	transmitter	 digital calipers and digital depth gages (not for 1103)
7306-30	transmitter	 digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7306-40	transmitter	 digital indicators
		 digital protractors

DATA COLLECTION:

- 1) Single collection: press the read button once to collect the reading from measuring tool once.
- 2) Multi collection: press the read button once to start collecting readings from measuring tool continuously, press the button again to stop collecting. Total collection times and interval time can be adjusted.



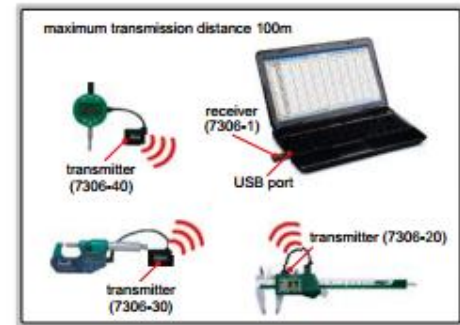
- DISPLAY: data can be input to Excel as keyboard signal.

All data are displayed in the same column. Each measuring tool can be coded such as A, B, C, etc.

measuring tools code A, B, C

1	1.000			
2	1.000			
3	1.000			
4	1.000			
5	1.000			
6	1.000			
7	1.000			
8	1.000			
9	1.000			
10	1.000			
11	1.000			
12	1.000			
13	1.000			
14	1.000			
15	1.000			
16	1.000			
17	1.000			
18	1.000			
19	1.000			
20	1.000			

- CONNECTION: one receiver can be connected to 30 transmitters.









7302-SPC5A 7302-SPC5B 7302-SPC2A 7302-SPC3A 7302-SPC4



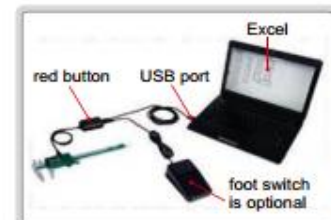
DATA OUTPUT CABLE



7304-2

Code	Description	Remark
7302-SPC5A	cable (length 2.5m)	 for digital calipers and digital depth gages (not for 1103)
7302-SPC5B	cable (length 2.5m)	 for digital calipers and digital depth gages (not for 1103)
7302-SPC2A	cable (length 2.5m)	 for digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7302-SPC3A	cable (length 2.5m)	 for digital indicators
		 digital protractors
7302-SPC4	cable (length 2.5m)	 for digital calipers 1103 series (for 1103 only)
7304-2	foot switch with cable (length 1.5m)	optional

- Connect to USB port of computer
- Without software, data can be input as keyboard signal to Excel, Word, etc.
- Press the red button or foot switch (optional) to input data



RS232 DATA OUTPUT CABLE



7305-SPC1A



7305-SPC2A



USB power port

7305-SPC3

automatic judgment by setting tolerance

test result display (maximum value, minimum value, total quantity of workpiece, quantity of Go and No-Go, quantity of exceed upper tolerance and exceed lower tolerance)

Measurement: -10.292 MM

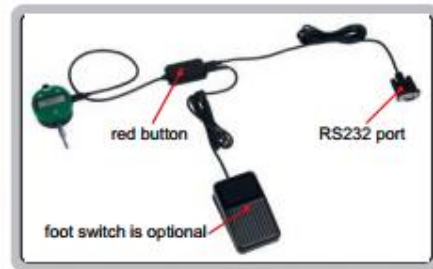
Back View statistics:

MAX	0.00	MIN	0.00	NO	0
GO	0	NO	1	NO	0
NO	0				

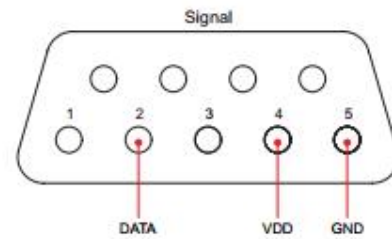
Buttons: manual sampling, automatic sampling, set auto sampling interval and tolerance



foot switch (optional)
7304-2



- Manual sampling and automatic sampling
- Press manual sampling button in software or red button on cable or foot switch once to collect the reading from measuring tool once
- Can be used in Windows Hyperterminal
- Supplied with software
- Voltage required: 5-10V
- Cable length 2.5m



Code	Applicable products	
7305-SPC1A		digital indicators
7305-SPC2A		digital calipers and digital depth gages (not for 1103)
7305-SPC3		digital micrometers (not for 3631, 3632, 3108, 3109, 3635)
7304-2	foot switch with cable (length 1.5m), optional	

BAKER MAKE

MINI DIGITAL DIAL GAUGES (PLUNGER TYPE)

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E61079000	BAKER IP65 MINI Water Resistant Plunger Type Digital Dial Gauge, Type MD001 with metric & inch capability & RS232 data output. Reading : 0.001 mm / 0.00005 inch Range : 12.5 mm / 0.5 inch	22,000.00
E61009002	BAKER RS232 Cable + Power supply for MINI Plunger Type Dial Gauges	6,125.00

NEW IP67 DIGITAL DIAL GAUGES (PLUNGER TYPE)

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E61089000	BAKER Water Resistant Digital Dial Gauge, Type W1 with metric & inch capability & RS232 data output, conforming to IP67. Reading : 0.001 mm / 0.00005 inch Range : 12.5 mm / 0.5 inch	15,900.00
E61099000	BAKER Water Resistant Digital Dial Gauge, Type W2 with metric & inch capability & RS232 data output, conforming to IP67. Reading : 0.001 mm / 0.00005 inch Range : 25 mm / 1.0 inch	17,700.00

Salient Features:

- Swiss technology.
- Rotating display (270 degrees) with extra large digits for excellent visibility.
- Accurate capacitive measuring sensor.
- Opto-coupled RS232C output.
- Hardened and ground stainless steel plunger and stem.
- IP 51 protection.
- Same gauge can be set to 0.01 mm/ 0.0005 in. reading depending on application.
- Each gauge caliper carries a calibration certificate giving actual values.





Technical Data Sheet

Model	Reading	Accuracy	Repeatability	Range	Measuring Force
ED01	0.001mm/ 0.00005inch	0.005mm/ 0.0002inch	±0.002mm/ 0.0001inch(±2s)	0-12.5mm 0-0.5inch	0.7-0.95N
ED1	0.001mm/ 0.00005inch	0.005mm/ 0.0002inch	±0.002mm/ 0.0001inch(±2s)	0-25mm 0-1inch	0.6-1.1N
ED2	0.001mm/ 0.00005inch	0.008mm/ 0.0003inch	±0.002mm/ 0.0001inch(±2s)	0-5mm/ 0-2inch	205-4N

MITUTOYO MAKE

ABSOLUTE Digimatic Indicator ID-S

SERIES 543 — with Economical Design

FEATURES

- As compact as standard Series 2 dial indicators.
- The ID-S indicates the absolute position of the spindle from the origin point at power-on, allowing to start measurements.
- After the initial zero-setting with the ORIGIN button, the repeated absolute positioning is no longer necessary over the entire battery life.
- Measurement error due to spindle over-speed is eliminated with the ABSOLUTE Encoder.
- SPC data output.



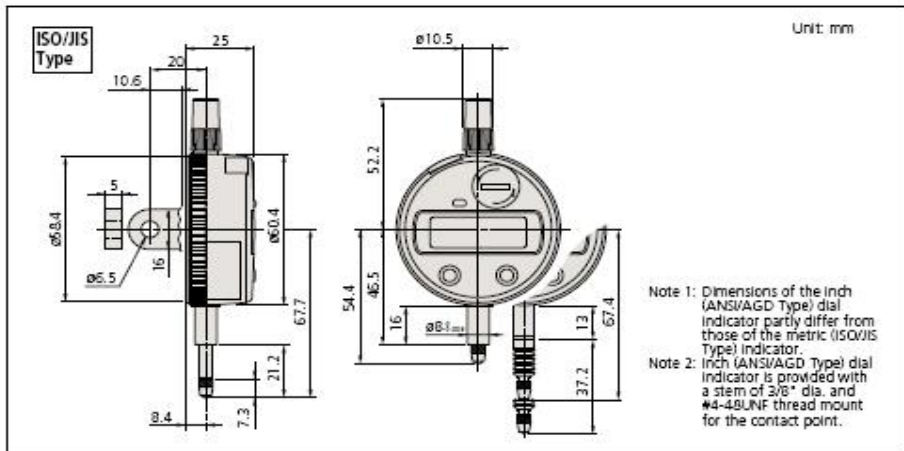
543-690
IP42

SPECIFICATIONS

Metric						
Resolution	Order No. (w/ lug, flat-back)	Range	Accuracy	Measuring force	Remarks	
0.001 mm	543-690	543-690B	12.7mm	0.003mm	2.0N or less	—
0.001 mm	543-694	543-694B	12.7mm	0.003mm	2.5N or less	Dust-proof
0.01mm	543-681	543-681B	12.7mm	0.02mm	2.0N or less	—

Inch/Metric						
Resolution	Order No. (w/ lug, flat-back)	Range	Accuracy	Measuring force	Remarks	
.00005"/0.001mm	543-691	543-691B	.5"	.00012"	2.0N or less	—
.00005"/0.001mm	543-695	543-695B	.5"	.00012"	2.5N or less	Dust-proof
.00005"/0.001mm	543-692	543-692B	.5"	.00012"	2.0N or less	—
.00005"/0.001mm	543-696	543-696B	.5"	.00012"	2.5N or less	Dust-proof
.0001"/0.001mm	543-693	543-693B	.5"	.00012"	2.0N or less	—
.0005"/0.01mm	543-682	543-682B	.5"	.0008"	2.0N or less	—
.0005"/0.01mm	543-683	543-683B	.5"	.0008"	2.0N or less	—

DIMENSION



(Refer to the page 9 for details.)

Technical Data

Accuracy: Refer to the list of specifications (excluding quantizing error)

Resolution: 0.01mm, 0.001mm, .0005"/0.01mm, .0001"/0.001mm or .00005"/0.001mm

Display: LCD

Length standard: ABSOLUTE electrostatic capacitance type linear encoder

Max. response speed: Unlimited

Measuring force: Refer to the list of specifications

Stem dia.: 8mm (ISO/JIS type) or 3/8" (ANSI/AGD type)

Contact point: Carbide ball with M2.5x0.45 (ISO/JIS type) Carbide ball with #4-48UNF (ANSI/AGD type)

Battery: SR44 (1 pc.), 938882

Battery life: Approx. 20,000 hours under normal use

Dust/Water protection level: IP42 (IP53: 543-694, 543-695, 543-696)

Function

Origin-set, Zero-set, Counting direction switching, Power ON/OFF, Data output, inch/mm conversion (inch/mm models)

Alarm: Low voltage, Counting value composition error, Over-flow error

Optional Accessory

- 905338: SPC cable (1m)
- 905409: SPC cable (2m)
- 903424: Spindle lifting lever (ISO/JIS type)
- 903425: Spindle lifting lever (ANSI/AGD type)
- 540774: Spindle lifting cable
- 125317: Spare rubber boot (for dust-proof type)
- 02ACB610: Back with post
- 02ACB630: Adjustable back
- 02ACB640: Back with offset lug
- 02ACB650: Magnetic back
- 02ACB670: Back with screw mount
- 02ACB680: Back with adjustable bracket
- : Contact points (See page 264.)