

4545 East Broad Street Columbus, Ohio 43213 Ph. 800-867-1433 / Fx. 614-866-5441

www.idealprec.com / Sales@idealprec.com

Mitutoyo

1ST EDITION

CALIPERS IMTS 2022 DEMO ITEMS!



2023 Special Offer: IMTS purchases up to \$100 also get a \$25 repair voucher. \$101-\$500 purchases receive a \$50 repair voucher. \$501-\$1000 receive a \$75 repair voucher. Purchases over \$1000 recieve a \$100 repair voucher.

- IMTS 2022 DEMO TOOLS which have been used for display and/or demonstration purposes ONLY
- Full 1 year manufacturer's warranty from the date of purchase
- While Supplies Last! (First Come, First Serve)







500-172-30 Digimatic Caliper New

electromagnetic inductive (AOS) sensor, large and clear LCD readout, ZERO/ABS key allows the display to be zero-set at any slider position



Range	Resolution	Accuracy
0-8"	0005"	±.001"

List Sale

\$273.00 **\$218.00**



500-193-30 Digimatic Caliper New electromagnetic inductive (AOS) sensor, ZERO/ABS key allows the display to be

inductive (AOS) sensor, ZERO/ABS key allows the display to be zero-set at any slider position, large and clear LCD readout, no SPC output

Range	Resolution	Accuracy
0-12"		±.0015"
	0005"	±.0013

List Sale

\$512.00 **\$358.00**



500-764-20 Digimatic Caliper Advanced design

styling, easy to use-no need to clean, incorporates absolute measurement system, automatic power-on/off

Range	Resolution	Accuracy
0-12"	0.0005"	±.0015"

List Sale

\$610.00 \$458.00





552-312-10 Digimatic Carbon Caliper

Interchangeable Jaw Attachments, lightweight, employs CFRP (Carbon Fiber Reinforced Plastics) in the beam and jaws, highly durable, direct readout of ID measurements



Range	Resolution	Accuracy
0-18"	0. 0005 "	±0.002"

List	Sale
\$1,070.00	\$803.00



573-751-20 Digimatic Neck Caliper IP67

protection, point jaw type for measuring wall thickness inside bores and recesses, SPC data output

Range	Resolution	Accuracy
0-6"/0-150mm	.0005"/ 0.01mm	±0.0015"

List Sale \$757.00 **\$568.00**





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INDICATORS IMTS 2022 DEMO ITEMS!



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513-442-10T Dial Test Indicator Full Set, Dial

Reading 0-15-0, Performs easy and accurate measurement of narrow or recessed areas, Resistant to water and dust due to the one-piece bezel and crystal design with O-ring, With and White dial face, With Clamp and Hold

Range	Graduation	Accuracy
006"	.0005"	±.0001"
List		Sale
\$226.0	00	\$158.00



Basic Set. Performs easy and accurate measurements of narrow or recessed areas. White dial. Dial reading 0-15-0

Range	Graduation	Accuracy
0-0.03"	.0005"	±0.0005"
List		Sale
\$191.00) ;	\$134.00



513-518-10T (FKA513-518T) Dial Indicator Pocket Type 0-20-0, jeweled bearings assure higher sensitivity and accuracy, reversible measuring direction, full adjustable bezel/dial face

Range	Graduation	Accuracy
0-04"	.001"	±.001"
Lis	t	Sale
\$164	.00	\$115.00









513-482-10A Side Mount Dial Test Indicator

Horizontal (20 degree tilted face), parallel type, basic set, 0-15-0 dial reading, .3N or less measuring force, 68g mass, 20mm L

Graduation	Accuracy
0005"	±0.0002"
	Graduation

List Sale \$204.00 **\$143.00**



543-301 DigimaticTest Indicator Switchable

Resolution, 8mm Stem, Lug Back, Peak Hold type digimatic indicator features both a Key-lock and a Parameter-lock, analog bar provides easy to read values when scanning for max, min, and TIR values, GO/+/-NG judgment is performed by setting the upper and lower tolerances for max, min, and runout values.

Range	Graduation	Accuracy
0-0.5"	.00005"	±0.0001"

List Sale \$504.00 **\$378.00**



543-562A Digimatic Test Indicator High

accuracy,switchable resolution, 3/8 In stem, Flat Back, With SPC/RS232 Data Output, With Analog Display, Back-Lit, ANSI

Range	Resolution	Accuracy
0-1.2"	0.00002,	±0.0015mm
	0.00005,	_0.001011111
	0.0001"	

List Sale \$1,000.00 **\$750.00**





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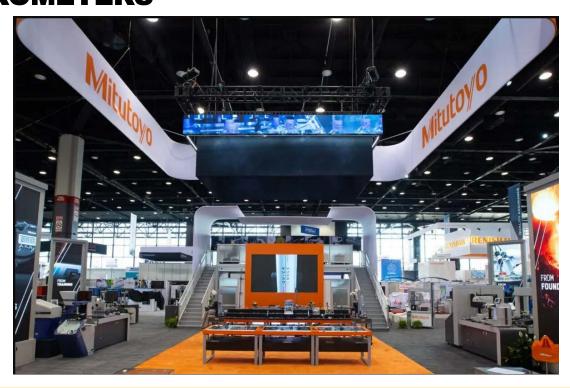
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MICROMETERS IMTS 2022 DEMO ITEMS!



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227-211-20 Digimatic OD Quickmike Absolute Digital Micrometer, adjustable force quickmike, 0-0-6 in 0.5-2.5N, adjustable measuring force for various workplaces, constant and low measuring force mechanism and thimble, non rotating spindle

Range	Resolution	Accuracy
06"	.00005"	±.0001"
List	Sale	
\$971.00	\$728.00	



293-181-30 Digimatic Quantumike with

SPC Output Faster measurement with 2mm per revolution instead of standard 0.5mm, ratchet thimble helps ensure repeatability, function lock to help prevent error

Range	Resolution	Accuracy	
1-2"	.00005"	±0.00005"	
Li	st	Sale	
\$34	1.00	\$256.00	



293-676-20 Digimatic Quickmike

Non-rotating spindle and ratchet friction thimble, speedy spindle feed by 10mm/rev and 0.4in/rev, absolute linear scale, SPC Output

Range	Resolution	Accuracy
0-1.2"	.00005"	±0.0001"
Lis	st S	Sale
\$67	73.00 \$5 0	05.00







326-351-30 Digimatic Screthread Micrometer

Ratchet stop for constant force, SPC output, IP65 water/dust protection

Range Resolution Accuracy 0-1" .00005" ±0.0002"

List Sale \$112.00 **\$56.00**





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METROLOGY MISCELLANEOUS

IMTS 2022 DEMO ITEMS!



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21JZA295(FKA 540774) SPINDLE

LIFTING CABLE LIFTING CABLE(WITHOUT AUTO-STOP FUNCTION)

*MULTIPLE \$49.65 \$42.00
QUANTITIES*



02AZD730G (FKA 02AZD730D) U-Wave

Transmitter U-Wave-T, wireless data transmitter in U-WAVE wireless data system, IP67, coolant proof, enables easy wireless data communication

MULTIPLE** List Sale **QUANTITIES \$243.00 \$170.00



02AZD790A U-Wave Connecting Cable

A in U-WAVE wireless data system, IP67, water-proof, with output button

*MULTIPLE
QUANTITIES*

List Sale

\$121.00 \$97.00







02AZD790B U-Wave Connecting Cable B in U-WAVE wireless data system, IP67, water-proof, with output button

List *MULTIPLE **QUANTITIES***

\$121.00

Sale \$97.00



02AZD790C U-Wave Connecting Cable

C in U-WAVE wireless data system, IP67, water-proof, with output button

*MULTIPLE **QUANTITIES***

List \$121.00

Sale \$97.00

02AZD790D U-Wave Connecting Cable

D in U-WAVE wireless data system, IP67, water-proof, with output button

List

QUANTITIES* \$121.00

Sale \$97.00





02AZD790E U-Wave Connecting Cable

E in U-WAVE wireless data system, IP67, water-proof, with output button



*MULTIPLE
QUANTITIES*

List \$121.00

Sale \$97.00



02AZD790F U-Wave Connecting Cable E

F in U-WAVE wireless data system, IP67, water-proof, with output button

*MULTIPLE
QUANTITIES*

List \$121.00 **Sale \$97.00**



02AZD810D U-Wave Receiver and Set-Up

Software U-Wave-R wireless receiver in U-WAVE wireless data system, 140 x 80 x 31.6, Measurement efficiency is improved by eliminating cumbersome cables, Allows data to be loaded into any software product that accepts keyboard input, up to 16 U-Wave-R units can be connected to PC

List

Sale

\$549.00

\$439.00

MULTIPLE QUANTITIES





02AZE200 Mounting Bracket for U-

Wave Transmitter Installation bracket kit for Quill kit with ABSOLUTE encoder, SPC output for data transmission to data processors or remote display



*MULTIPLE **QUANTITIES***

Sale List \$35.95 \$29.00



05CZA624 1m (40") SPC Connecting Cable

*MULTIPLE **QUANTITIES***

List Sale \$103.00 \$87.00



05CZA662 1m (40") SPC Connecting Cable

With data switch for coolant proof micrometers

*MULTIPLE **QUANTITIES***

List \$92.35 Sale

\$78.00





515-565 Ceramic Caliper Checker



Inspect vernier, dial and Digimatic calipers. It is comprised of permanently wrung, high-grade CERA gage blocks in a protective casting. This checker also stands perpendicular to a surface for height gage inspection and the zirconia based ceramic CERA measuring blocks are corrosion resistant and dimensionally stable. 0-12" range

List Sale \$4,980.00 \$3,984.00



517-907 Graplate 24x30" Grade B Surface

plate made from fine-grained black granite. This material has many advantages compared to cast iron in this application, such as being non-magnetic, rustless, twice as hard, non-burr-forming and not prone to stickiness. NIST traceability

*MULTIPLE
QUANTITIES*

\$1,027.00

List

\$821.00

Sale



517-955-1 Graplate Stand 24x30" w/ CAS

Steel stand for supporting Black Granite Surface Plates at working levels. With casters.

List Sale \$1,162.00 \$930.00







613206-541 Rectangular Ceramic 6" Gage

Block Abrasion resistant ceramic material, superior surface quality, Grade AS-1,

*MULTIPLE
QUANTITIES*

List \$1,090.00

Sale \$763.00



937179T Foot Switch for SPC Output

Made of sturdy stamped steel, ideal for hands free data input, easier to use than a hand tool finger switch

*MULTIPLE
QUANTITIES*

\$95.80

List

Sale \$77.00





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SPECIALTY GAGES

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155-903 Telescoping Gage Set .313-6 In, Telescoping Gage Set, 6 Pieces (.313-.5 In, .5-.75 In, .75-1.25 In, 1.25-2.125 In, 2.125-3.5 In, 3.5-6 In), bore (or groove), knurled clamp, supplied in fitted pouch

List Sale \$232.00 \$162.00



192-008 BI-Directional Touch Signal Probe

For Height Gage Easy error-free reading with both up and down digital counters as well as a dial, provided with a feed wheel for easy coarse feeding, counters and dial can be re-zeroed at any scriber position

List Sale \$914.00 \$731.00



178-561-12A (FKA 178-561-02A) SJ-210

Surface Roughness Gage Kit SJ-210 Portable Surface

Roughness Tester, Skidded, .7 In/17.5mm Evaluation Range, 4mN Measuring Force, 90 degree 5 Micron Stylus Tip, Color Built-In Display Unit, USB/RS-232C Output, 2.4-inch color LCD display with backlighting is switchable right or left-hand views, Displays both total and sectional measurement results as well as evaluation curve, BAC, ADC and waveform, The built-in battery allows approximately 1,000 measurements on a full charge

List Sale \$2,680.00 \$2,144.00







318-221A Litematic Height Gage Mechanical

Micrometers, De-signed for quick GO/NG judgement of diameters of cylinders and shafts in machining processes, Wide flat anvils are chamfered, Indicator not included

Range	Resolution	
0-2"	±.0000005"	
List \$9,340.00	Sale	
•	\$7,472.00	



209-937 (FKA 209-553) Digimatic Caliper

Dial Gage The digital caliper gauge enables measurements in hard-to-reach places. IP67 protection.

Range	Resolution	Accuracy
.79-1.58"/	±.0002"/.005mm	±.0015"/.03mm
20-40mm		
List	Sale	
\$811.00	\$608.00	



518-235 QM Height Gage 14" Easy-to-read display with a simple, ergonomically designed measurement control panel with user friendly, single-key operation. Manual height adjustment by coarse/fine elevation wheel. Built-in air suspension operating from internal batteries enables smooth and light movement on a surface

coarse/fine elevation wheel. Built-in air suspension operating from internal batteries enables smooth and light movement on a surface plate. ABSOLUTE linear encoder eliminates need to reset zero at switch-on. Digimatic and USB data output..

Range	Resolution	Accuracy
0-14"/0-350mm	±.00005"/.001mm	±(2.4+2.1L/600) μm
Lict	Sala	

\$4,980.00 **\$3984.00**







518-247 QM Height Gage high accuracy, high resolution ABSOLUTE linear encoder for position detection. Automatic running of prelearnt part programs, easily implement frequently used measurements, such as inside/outside diameter and pitch calculations, by icon-based commands that also support easy one-key operation,GO/±NG judgement is performed by setting the upper and lower tolerances.

Range	Resolution	Accuracy
0-24"	±.00005"	±(2,4+2,1L/600) μm
	List	Sale
	\$5,490.00	\$4,392.00



518-351A-21 LH-600E Travel Digital Electronic Height Gage Motorized/Manual Travel and Air Cushioned Base, One-key operation for semiautomatic measurement, With USB/RS-232C Data Output

Range	Resolution	Accuracy
0-38"/0-972mm"	0.000001"/0.0001mm	(1.1+0.6L/600)μm
ı	List	Sale
\$9,	340.00	\$7,472.00



571-200-20 Digimatic Tire Tread

Depth Gage Compact, coolant proof, can keep track of origin point for entire life of the battery, specially designed to measure tire tread depth, SPC data output

Range	Resolution	Accuracy
.1"/25mm	.0005"/0.01mm	±0.0005"/0.01mm

List Sale \$250.00 \$188.00





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544-116-1A Benchtop Laserscan Micrometer

Bench-top type with integrated display unit includes many functions equivalent to the multifunction display unit.

Range	Resolution	Accuracy
.02-2.36"	0.000002"	±0.0001"

List Sale

\$9,850.00 \$7,880.00



544-499-1A Laserscan Micrometer Bench-top

type with multifunction display unit and mounted benches for highly accurate, hands free, measurements.

Range	Resolution	Accuracy
0.02-2.36"	0.00005"	±0.00002"

List Sale

\$13,400.00 \$10,720.00



544-536 Laserscan Micrometer 503S Bench-

top type laser micrometer scanner, easy set-up and height adjustment, no display unit

Range	Resolution	Accuracy
0.012-1.18"	0.000001"	±1µm

List Sale

\$7,530.00 **\$6,024.00**





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