

VERNIER HEIGHT GAGES SERIES 216:

Amply proportioned measuring beams and bases for extra rigidity.

- Satin - chrome Finish
- Double Spaced Vernier
- Vernier Scale : 1/1000" x 1/50mm
- Magnifying Glass
- Fitted Case

Sliding scale permitting all measurement to start from an even reference point.

Range	Order No.	Price
0-12"/0-300mm	1500112	
0-18"/0-450mm	1500118	
0-24"/0-600mm	1500124	



MEGA
Superior Import

FLUSH READING VERNIER HEIGHT GAGES STARRETT SERIES 255:

Combines the right balance and weight for applications where a heavy duty gage is not practical. Features long 50-division vernier with widely spaced, easy-to-read graduations for simplified settings and readings without a magnifying glass. Open-face design with flush fitting of the vernier scale to the main scale, both the same plane, eliminates parallax. Satin chrome finish eliminates glare and improves readability. Surfaces hard chrome plated for resistance to rust and stain. Bar and vernier scale machine divided. Hardened and stabilized bar features straight and angular ways for positive alignment and easy adjustment. A hand-fitting natural grip base design permits direct readings from base over full range without calculations. Scriber has rounded point and cuts clean, sharp lines with minimum pressure. Furnished in case.

Starrett
Made in U.S.A.



MASTER VERNIER HEIGHT GAGES

STARRETT SERIES 254:

- Exceptionally stable and accurate with easy-reading vernier style.
- Long, 50-division vernier scales permit half as many graduations as single vernier tools.
- Widely spaced graduations make easy reading to .001" or 0.02mm without needing a magnifying glass.
- Flush fitting of the vernier scale to the main scale means that these are in the same plane, which eliminates parallax.
- Extremely fine adjustments are achieved by a knob located on the base.
- Quick-adjust release on the slide allows for fast positioning.
- Special master bar design and the balanced design and weight of the base eliminates vibration.
- Vertical bar is positioned near the center of the base for balance and stability.
- Versatile tool will scribe lines, mount dial indicators or electronic probes and accept depth attachments.
- Base is hardened, ground and lapped square.
- Fitted Case, Scriber.



Starrett
Made in U.S.A.

Range	Graduation	Catalog No.	EDP No.	Price
0 - 12"	.001"	255Z-12	51229	
0 - 18"	.001"	255Z-18	51231	
0 - 300mm	0.02mm	255MZ-300	56218	
0 -18"/450mm	.001"/0.02mm	255EMZ-18	65160	

DOUBLE BEAM HEIGHT GAGES WITH COUNTER

SERIES 216:

Furnished with two error proof digital counters which can be reset individually anywhere within the range for quick and easy upward and downward reading. The last digit on the counter is .1" or 1.0mm. The dial face is graduated in .001" or .01mm.

- Bottom surface of the base is stainless steel, hardened and ground
- With fine-adjusting wheel and lock
- Carbide tipped scriber



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INCH READING - Graduation - .001"
METRIC READING - Graduation - 0.02mm

Range	Catalog No.	EDP No.	Price
0-12"	254Z-12	51219	
0-18"	254Z-18	51220	
0-24"	254Z-24	51221	
0-36"	254Z-36	51222	
0-48"	254Z-48	51223	
0-300mm	254MZ-300	56214	
0-450mm	254MZ-450	56215	
0-600mm	254MZ-600	56216	
0-900mm	254MZ-900	56217	
0-12"/300mm	254EMZ-12	51224	
0-18"/450mm	254EMZ-18	51225	
0-24"/600mm	254EMZ-24	51226	

INCH			METRIC		
Range	Order No.	Price	Range	Order No.	Price
0-12"	2160000		0-300mm	2160003	
0-18"	2160001		0-450mm	2160004	
0-24"	2160002		0-600mm	2160005	

Quality
Precision Tools

MEGA
Superior Import

Mitutoyo

Starrett

The Choice Is Yours!!!

DIGITAL/DIAL HEIGHT GAGE STARRETT SERIES 259:



Measuring range: 0 – 24", Resolution: Dial .001", Digital Counter: .1", Accuracy: ±.001", Repeatability: ±.0005", Weight: 16 lbs.

- Read the counter and dial directly with this height gage, accurate to ±.001".
- Reset to zero at any point in the range. Zero tool at any position.
- Simple, rugged, well balanced design. Fully chrome plated master bar.
- Natural grip hardened base.
- Quick adjustment with a large, speeder-type knob on base.
- Convenient, fine adjusting knob on top of bar.
- Locks for easy, accurate scribing.
- A dial indicator, depth attachment, or electronic probe can be mounted in the scriber holder.
- Complete with scriber, scriber carrier.



Catalog No.	EDP No.	Price
259-24	56659	

ACCESSORIES

Description	Catalog. No.	EDP No.	Price
Wood Case only	259ZZ-24	56684	
Auxiliary Scriber	PT14343	71511	
Scriber Carrier	PT99205	71920	

DIGITAL COUNTER TYPE HEIGHT GAGES

MIT SERIES 192:

FEATURES

- Easy and error-free reading with both up and down digital counters as well as a dial.
- The counters and dial can be zero-set at any scriber position.
- Provided with a feed wheel for easy coarse feeding.
- Carbide-tipped scriber.

INCH

Order No.	Range	Accuracy	Price
192-150	0-12"	±.0015"	
192-151	0-18"	±.002"	
192-152	0-24"	±.002"	
192-153	0-40"	±.003"	

Digital Counter Graduation: .1" (Dual Reading)

Dial Graduation: .001"

Standard Accessories: Scriber 900258 Scriber Clamp 901385

METRIC

Order No.	Range	Accuracy	Price
192-130	0-300mm	±0.03mm	
192-131	0-450mm	±0.05mm	
192-132	0-600mm	±0.05mm	
192-133	0-1000mm	±0.07mm	

Digital Counter Graduation: 1.0mm" (Dual Reading)

Dial Graduation: 0.01mm"

Standard Accessories: Scriber 07GZA000, Scriber Clamp 07GZA002

ELECTRONIC DIGITAL DOUBLE BEAM HEIGHT GAGES



SERIES 725:

MADE OF STAINLESS STEEL

FEATURES

- Rigid twin column structure
- 6 digit LCD display and minus sign (-)
- Large size feed wheel
- Lock on measuring slider
- Battery furnished
- Carbide tipped scriber

FUNCTIONS

- Zero setting,
- Inch/mm conversion
- Data hold
- Plus/minus presetting



Range	Graduation	Order No.	Price
0-12"/0-300mm	.001mm/ .0001"	7255012	
0-18"/0-450mm	.001mm/ .0001"	7255018	
0-24"/0-600mm	.01mm/ .001"	7255024	

DIGIMATIC HEIGHT GAGES



MIT SERIES 192:

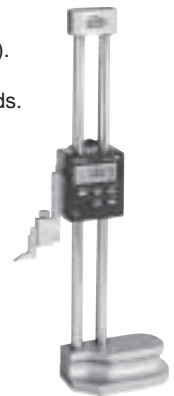
Self-contained Electronic Inch/Metric Display.

FEATURES

- Easy-to-use design.
- Double-column structure ensures high measuring accuracy.
- Display: LCD Height .394", 6 digits and a minus sign (-).
- Carbide-tipped scriber.
- Dust/water protection level conforms to IP-40 standards.
- Optional wooden case available.

FUNCTIONS

- Zero/ABS Setting (ABS and INC modes)
- Preset Value Memory (ABS mode)
- Data Hold
- Presetting (ABS and INC modes)
- ±Counting Direction Changeover
- Inch/mm Conversion
- Coarse/Fine Feed Switching
- Over-speed Alarm
- Low Battery Alarm.



INCH/METRIC

Order No.	Range	Accuracy	Price
192-630	0-12"/ 0-304.8mm	±.001"	
192-631	0-18"/ 0-457.2mm	±.002"	
192-632	0-24"/ 0-609.6mm	±.002"	
192-633	0-40"/ 0-1016mm	±.003"	

Resolution: .0005"/0.01mm

Quantizing Error: ± 1 count

Response Speed: 19.69"/s (500mm/s)

Power Supply: One CR2032 Lithium cell 05SAA217

Standard Accessories: Scriber 900258, Scriber clamp 901385, One CR2032 Lithium Cell 05SAA217

ELECTRONIC HEIGHT GAGES

SERIES 725:

Rugged construction of stainless steel with no rack, no pinion, and no glass scale.

FEATURES:

- 5 Digit high contrast display
- Inch / Metric switch
- Floating "Zero" reference point
- Resolution $\pm .0005"$ / 0.01mm
- Accuracy .001"
- Includes: fitted case / battery



Range	Order No.	Price
0-12"/0-300mm	7251112	
0-18"/0-450mm	7251118	
0-24"/0-600mm	7251124	

HEAVY DUTY DIGIMATIC HEIGHT GAGES

MIT SERIES 192:

FEATURES

- Two measuring modes, ABS (absolute) and INC (incremental), for increased inspection efficiency.
- Rigid construction ensures repeatable measurements.
- Bi-directional touch signal probe for improved efficiency and reliability of measurement.
- (192-008) **Optional Accessory below**
- Display: LCD, Height .394", 6 digits and a minus sign (-).

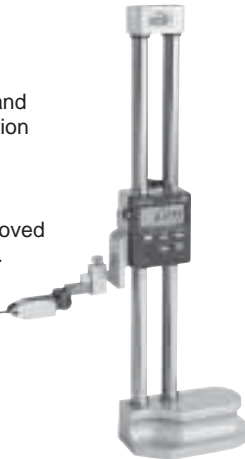
FUNCTIONS

- Zero/ABS setting (ABS and INC modes)
- Origin restoration
- Presetting (ABS and INC modes)
- Preset value memory (ABS mode)
- Data hold
- Inch/mm conversion
- Coarse/Fine Feed switching
- Counting direction
- Error alarm, Low battery alarm.
- Provided with a data output port for connection with the SPC system.
- Standard scriber and optional long scriber (5.90") both carbide-tipped.

CONTROL PANEL FEATURES

- On/Off switch • Inch/Metric switch • Zero/ABS switch
- Data/Hold switch • Preset switch (for all digits)
- Counting direction switch

Shown with 192-008 Probe



INCH/METRIC

Order No.	Range	Accuracy	Price
192-670	0-12"/0-304.8mm	$\pm .001"$	
192-671	0-18"/0-457.2mm	$\pm .0015"$	
192-672	0-24"/0-609.6mm	$\pm .0015"$	
192-673	0-40"/0-1016mm	$\pm .0025"$	

Resolution: .0005"/0.01mm

Quantizing: ± 1 count

Response Speed: 19.69"/s (500mm/s)

Power Supply: One CR2032 Lithium cell No. 05SAA217

Data Output: Digimatic code output.

Standard Accessories: Scriber 905201, Scriber Clamp 901385

One CR2032 Lithium cell 05SAA217

Optional Accessories: Two-Directional Touch Probe 192008*

For SPC output order Connecting Cable No. 905338 (1m) or 905409 (2m)

*TOUCH PROBE

Measuring Direction:	Two-Directions
Over Travel:	.06" (1.5mm)
Repeatability:	.00008" (2 μ m)
Measuring Force:	0.4N
Contact Point:	.12" (3mm) carbide ball

Order No. 192-008 Price:

HDS DIGIMATIC HEIGHT GAGES WITH ABSOLUTE ENCODER

MIT SERIES 570:

FEATURES:

- Can easily measure the height of small parts.
- Feed Wheel.
- Display: Easy-to-read large LCD display, 6 digit and minus sign (-)
- Absolute encoder for direct measurement from power on.
- Economical energy-saving design.
- Unlimited response speed.

	570-312*	570-313*	570-314*
Measuring Range	0-12"/300mm	0-18"/450mm	0-24"/600mm
Resolution	.0005"/0.01mm		
Accuracy	$\pm .0015"$		$\pm .002"$
Repeatability	.0005" (0.01mm)		
Power Supply	Silver oxide cell (SR-44) 1pc 541980		
Data Output	Digimatic code output (SPC output)		
Mass	10.12 lbs	12.98 lbs	14.08 lbs
Standard Accessories	Scriber 900258 Scriber Clamp 901385 SR-44 battery 1 pc.		

- Functions include: Zero-setting (ABS and INC modes), Presetting (ABS and INC modes), Hold / Data button, Counting direction changeover, Inch/mm conversion, Data output, Inch/mm conversion, Data output, Error alarm, Low battery alarm, On/Off, Origin.
- Provided with a data output port for connection with the SPC system.*
- Battery Life: (Approx.) 20,000 hours of continual use.



Order No.	Price
570-312	
570-313	
570-314	

* For SPC output order connecting cable 905338 (1m) or 905409 (2m). Replacement battery: 541980 (1pc.), 541980-10 (10 pcs./SET)

ELECTRONIC DIGITAL HEIGHT GAGE - WITH OUTPUT
STARRETT SERIES 751:



6"/150mm Height gage is light, portable, and easy to use for vertical measurements in its range. Display has large, clear, easy to read figures. Output capability allows measurements to be entered directly into Starrett Data Collection Systems for analysis, and hard copy documentation.

ACCURACY/DESIGN FEATURES:

- 6" linear accuracy is $\pm .001"$ ($\pm 0.03\text{mm}$)
- Resolution $.0005"$ (0.01mm)
- Exclusive Starrett designed microprocessor chip
- Hardened stainless steel bar for long life
- Hardened, ground, and lapped base with finger grooves to provide ease of movement
- Special slot in base allows full 6"/150mm range from bottom of base
- Depth attachment available for measuring depth of holes, slots, and recesses
- Fine adjustment thumb roll for precision measurements
- Lock to hold the slide in position
- One-year minimum battery life

ELECTRONIC FEATURES:

- Inch/millimeter conversion
- Zero at any position
- Hold readout at any position
- Manual ON/OFF, plus a built-in automatic OFF after 15 minutes of non-use
- Shift button to easily use more functions
- Out of limits readings with flashing display
- Output jack allows data transmission to the following peripherals for analysis data collection, and hard copy documentation
- Starrett 772 Series Data Collection Systems
- Starrett 761 Series Data Multiplexers
- Other devices that support RS232C

Description	Range	Catalog No.	EDP No.	Price
With case	6"/150mm	751Z-6/150	65661	
Without case	6"/150mm	751-6/150	65665	
Depth attachment	-	PT08680A	51383	
Wood Case only		947	56756	
Adapter from PT22938 Cable to IBM-PC (RS232C)		PT61768	66454	
Two 3-volt batteries, No. CR2032		PT99492	65650	
Shielded cable from 751 series to Starrett 772 Modules 768 Remote Display, and PT61768 Interface Adapter		PT22938	64059	
Computer Interface Cable complete to IBM-PC (RS232C)		PT61963	66636	

ELECTRONIC DIGITAL HEIGHT GAGES (WITH OUTPUT)
STARRETT SERIES 752:



These Electronic height Gages provide a versatile and economic solution for most height measurement applications. All measuring information from these tools can be entered directly into Starrett Data Collection Systems for analysis, data collection, and hard copy documentation.

- $.0005"$ (0.01 mm) Resolution.
- Bar graduations – $.100"$ and 5 mm increments.
- Instant inch-millimeter conversion.
- Carrier and scribe designed to read from zero.
- "Hold" control feature retains a reading at any position.
- Plus or minus direction selector for reading correct measurements.
- Hardened and ground scribe.
- Fine adjustment for precise positioning accuracy.
- Lock screw.
- One-year-plus battery life.
- Automatic shut-off to conserve battery life after 30 minutes of nonuse.

Range	Catalog No.	EDP No.	Price
0-12"/0-300mm	752A-12	64271	
0-18"/0-450 mm	752A-18	64272	
0-24"/0-600 mm	752A-24	64273	

Cables, Accessories, Cases

Description	Catalog No.	EDP No.	Price
Shielded Cable to Starrett No. 772 Series Modules No. 768 Remote Display and PT61768 Interface Adapter	PT22938	64059	
Interface Adapter for Starrett tools to IBM-PC or Compatible.	PT61768	66454	
Two 3-volt batteries, No. CR2032	PT99492	65650	
Wood case only for 12" gage	928	55249	
Wood case only for 18" and 24" gages	945	56684	

Quality Precision Tools



The Choice Is Yours!!!

ELECTRONIC DIGITAL HEIGHT GAGE - WITH OUTPUT STARRETT SERIES 755:

The 755-24 Electronic Height Gage provides measuring information directly to Starrett SPC Plus® Data Collection Systems for analysis, data collection and hard copy documentation. Features a large, easy-to-read LCD. Readings can be instantly converted to English or Metric. Quick adjustments can be accomplished by means of a split nut providing rapid traverse. Ultrafine adjustments are achieved by a knob located in the base. A hold feature allows a reading to be taken in difficult positions, and then the gage can be moved without losing the reading. The zero function permits the gage to float "zero" anywhere within range of the gage. Plus or minus indications allow reading in proper direction. Solid bar construction is single column, stress-relieved. The hardened vibration-proof base, ground and lapped with finger grooves, provides ease of movement. Special base allows direct reading from base over full range. The following accessories are furnished: Power Supply/Battery Charger, Scriber, Scriber Carrier, Indicator Adapter, Plastic Dust Cover.



Feature	Inch	Millimeter
Measuring Range	0 - 24	0 - 600
Resolution	.0001	.001
Accuracy	±.0002	±.005
Repeatability	±.0001	±.002
Maximum Measuring Speed	20"/sec	500mm/sec

POWER SOURCE

A.C. Operation: With AC/DC charger, from 110Volts A.C. 50/60 Hz line power.
 Battery Operation: With battery pack 6 Volts D.C.
 Operating time 8 hours intermittent service. Recharging time : 14-16 hours.

Description	Catalog No.	EDP No.	Price
0 - 24" / 0 - 600mm range Height Gage without case	755-24	63390	
Case Only	755ZZ-24	56702	
Battery Pack	755BP	63391	
Cable from No. 755 to Starrett Nos. 761,772 Modules	PT22938	64059	
Interface Adapter from No. 755 to IBM-PC (RS232C)	PT61768	66454	



While we show the most popular **Starrett** items, we can supply their entire range of products; please inquire.

DIAL TRAVEL INDICATORS SERIES 220:



These Indicators are graduated in .001" or .01mm with the second hand reading every .010" or .1mm. Range per revolution .10" or 1.0mm. Reading 0-100. Back has clamping lug.



Travel	White Face		Black Face	
	Order No.	Price	Order No.	Price
1/4"	1530025			
1/2	1530005			
1	1530010		1530011	
2	1530020		1530021	
10mm	1530000		-	

MAGNETIC BASE & INDICATOR SETS SERIES 221:



Magnetic Base	Indicator	Order No.	Price
Standard	1" Travel	1540001	
Fine/Adj.	1" Travel	1540006	



MAGNETIC BACK FOR DIAL INDICATOR SERIES 221:

Product Description

- Permanent powerful magnet
- Attaches to the back of 2" diameter AGD dial indicators



Diameter		Thickness	
in.	mm	in.	mm
2-1/4	57	1/2	12.5

Order No.: 2210000
 Price:

DIAL INDICATORS - MINIATURE STARRETT SERIES 80:



Starrett AGD dial indicators have a hardened stainless steel rack, pinions and gears which resist shock and extend wear life to a remarkable degree. These moving parts are finished to extremely fine tolerances, delivering a smooth, sensitive action that minimizes friction and lost motion and insures precise repetitive readings.

MINIATURE DIAL INDICATORS - 1-1/4" DIAL DIAMETER, 7/32" STEM

Similar in design to AGD dial indicators, these miniatures are built for measuring bed travel on machines, gaging fixtures and for gaging dimensions in tight places. Equipped with high precision, low friction movements, they are made in three models, all with frictionally adjustable bezels for quick, positive zero setting. No glare, white eggshell finish dials, black bezel, satin chrome finish on case, furnished with balanced dial, jeweled bearings and lug-on-center back.

Grad.	Reading	Total Range	Range One Rev.	Catalog No.	EDP No.	Price
.001"	0-20-0	.100"	.040"	80-144J	55893	
.0005"	0-10-0	.050"	.020"	80-134J	55892	
.0001"	0-2-0	.010"	.004"	80-114J	55891	