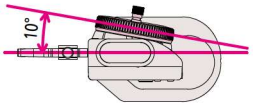
MeasurLink® ENABLED
Data Management Software by Mitutoyo

Digimatic Height Gage
SERIES 192 — Multi-function Type with SPC Data Output

- Double-column structure ensures stable measurements.
- Ergonomic base fits comfortably in the hand.
- Inclined handle improves slider ergonomics.
- Bidirectional touch-trigger probe is available as an optional accessory.
- Provided with a long scriber (150 mm).



192-663-10

SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	Maximum permissible error E_{MPE} (mm)*	Response speed (mm/s)	Height (mm)	Mass (kg)
192-663-10	0 - 300	0.01/0.005 (selectable)	±0.02	Approx. 500	510	5.7
192-664-10	0 - 600		±0.04		802	8.3
192-665-10	0 - 1000		±0.06		1228	15.7

Inch/Metric

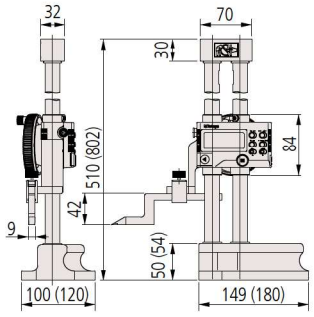
Code No.	Range (in)	Resolution	Maximum permissible error E_{MPE} (in)*	Response speed (mm/s)	Height (mm)	Mass (kg)
192-670-10	0 - 12	0.01 mm/0.005 mm (selectable)	±0.001	Approx. 500	510	5.7
192-671-10	0 - 18		±0.0015		649	7.5
192-672-10	0 - 24	0.0005 in/0.0002 in (selectable)	±0.0015		802	8.3
192-673-10	0 - 40		±0.0025		1228	15.7

- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Battery life: Approx. 3,500 hours in continuous use
- Standard Accessories: Scriber **905200** (**192-663-10**, **192-664-10**, **192-665-10**), Scriber clamp box **05GZA033**

* Maximum permissible error, E_{MPE} is the term (notation) used in JIS B 7517: 2018, revised based on ISO/TR 14253-6: 2012.

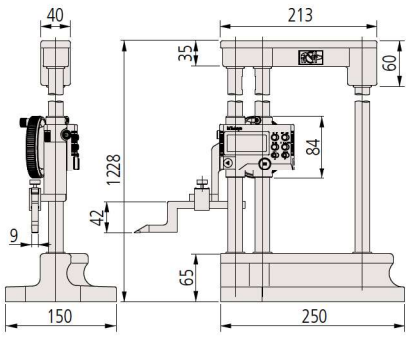
DIMENSIONS

192-663-10, 192-664-10
( ): **192-664-10**



192-665-10

Unit: mm



Functions

- Origin-setting (ABS measurement mode):
  Any arbitrary value can be stored as the origin point.
- Zero-setting (INC measurement mode):
  Displayed value can be set to zero at any arbitrary position of the slider.
- Origin restoration:
  Previously set origin is restored when switching back to ABS mode.
- Presetting (ABS INC measurement mode):
  Displayed value can be set to any arbitrary value, including negative values.
- Measuring direction
  Measuring direction can be switched at the press of a button.
- Data hold
  Display value can be held. Reverts to ABS or INC mode when cancelled.
- Alarm: Error message is displayed when overflow or overspeed of displayed value arises and measurement is stopped.
- Data output:
  Allows integration into statistical process control and measurement systems. (Refer to page 09-3.)
- Fine and coarse height adjustment through knob and wheel combination
  Slider height adjustment wheel allows fine and coarse height adjustment.
- Probe-tip diameter compensation: An adjustment is applied to the raw measurement data to compensate for the effect of the size of the spherical contact point used by the bidirectional touch-trigger probe.
- Presetting (2 positions): With two preset functions, two reference heights can be used relative to a surface plate.

Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type **IT-020U**
905338	F	Connection cable for **IT/DP/MUX** (1 m)
905409	F	Connection cable for **IT/DP/MUX** (2 m)
06AFM380F	F	USB Input Tool Direct (2 m)
02AZD730G	IP67	**U-WAVE-T**
02AZD880G	Buzzer	**U-WAVE-T**
02AZE200	—	**U-WAVE-T** mounting bracket
02AZD790F	F	Connection cable for **U-WAVE-T** (160 mm)
02AZE140F	F	Connection cable for **U-WAVE-T** For foot switch

- **Bidirectional touch-trigger probe**: **192-007** (mm), **192-008** (inch)
  Improves accuracy in step, internal thickness, and outside width measurement by minimizing reproducibility error. A bidirectional touch-trigger probe is available as an optional accessory for **192-663-10**,**192-664-10**,**192-665-10**, **192-670-10**,**192-671-10**,**192-672-10** and **192-673-10**.

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Digimatic Height Gage
SERIES 192 — Multi-function Type with SPC Data Output

- Double-column structure ensures stable measurements.
- Ergonomic base fits comfortably in the hand.
- Cannot be used with bidirectional touch-trigger probe.

192-613-10

Functions
- Origin-setting (ABS measurement mode):
  Any arbitrary value can be stored as the origin point.
- Zero-setting (INC measurement mode):
  Displayed value can be set to zero at any arbitrary position of the slider.
- Origin restoration:
  Previously set origin is restored when switching back to ABS mode.
- Presetting (ABS INC measurement mode):
  Displayed value can be set to any arbitrary value, including negative values.
- Measuring direction
  Measuring direction can be switched at the press of a button.
- Data hold
  Display value can be held. Reverts to ABS or INC mode when cancelled.
- Alarm: Error message is displayed when overflow or overspeed of displayed value arises and measurement is stopped.
- Data output:
  Allows integration into statistical process control and measurement systems. (Refer to page 09-3.)
- Fine and coarse height adjustment through knob and wheel combination
  Slider height adjustment wheel allows fine and coarse height adjustment.
- Probe-tip diameter compensation: An adjustment is applied to the raw measurement data to compensate for the effect of the size of the spherical contact point used by the bidirectional touch-trigger probe.
- Presetting (2 positions): With two preset functions, two reference heights can be used relative to a surface plate.

Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type **IT-020U**
905338	F	Connection cable for **IT/DP/MUX** (1 m)
905409	F	Connection cable for **IT/DP/MUX** (2 m)
06AFM380F	F	USB Input Tool Direct (2 m)
02AZD730G	IP67	**U-WAVE-T**
02AZD880G	Buzzer	**U-WAVE-T**
02AZE200	—	**U-WAVE-T** mounting bracket
02AZD790F	F	Connection cable for **U-WAVE-T** (160 mm)
02AZE140F	F	Connection cable for **U-WAVE-T** For foot switch

SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	Maximum permissible error E_{MPE} (mm)*	Response speed (mm/s)	Height (mm)	Mass (kg)
192-613-10	0 - 300	0.01/0.005 (selectable)	±0.02	Approx. 500	475	4.7
192-614-10	0 - 600		±0.05		802	8.3
192-615-10	0 - 1000		±0.07		1228	15.7

Inch / Metric

Code No.	Range (in)	Resolution	Maximum permissible error E_{MPE} (in)*	Response speed (mm/s)	Height (mm)	Mass (kg)
192-630-10	0 - 12	0.01 mm/0.005 mm (selectable) 0.0005 in/0.0002 in (selectable)	±0.001	Approx. 500	475	4.7
192-631-10	0 - 18		±0.002		649	7.5
192-632-10	0 - 24		±0.002		802	8.3
192-633-10	0 - 40		±0.003		1228	15.7

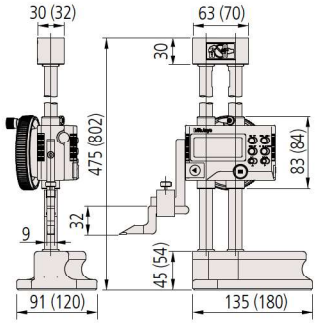
- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Battery life: Approx. 3,500 hours in continuous use
- Standard Accessories: Scriber **07GZA000**
  Scriber clamp box **05GZA033**

* Maximum permissible error, E_{MPE} is the term (notation) used in JIS B 7517: 2018, revised based on ISO/TR 14253-6: 2012.

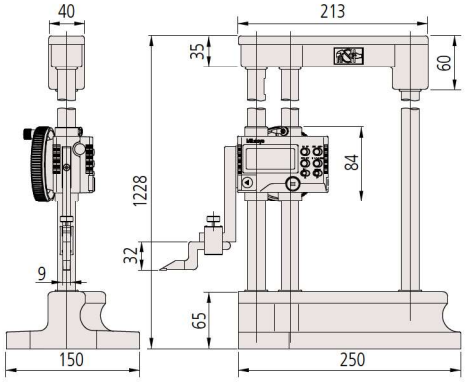
DIMENSIONS

Unit: mm

192-613-10, 192-614-10
( ): **192-614-10**



192-615-10



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