

Depth Gage

ABSOLUTE Digimatic Depth Gage
SERIES 571

- Enables stable depth measurement with a resolution of 0.01 mm.
- Coolant proof type IP67 rated.
- Data output function allows integration into statistical process control and measurement systems.(Refer to page 09-3.)
- Optional longer extension bases are available.



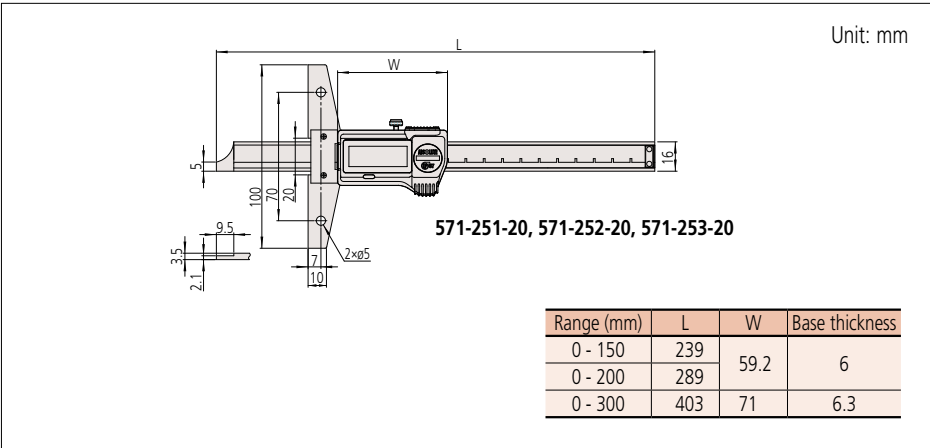
SPECIFICATIONS

Metric				
Code No.	Range (mm)	Resolution (mm)	Base (WxT) (mm)	Maximum permissible error E_{MPE} (mm)*1
571-251-20	0 - 150	0.01	100x6	±0.02
571-252-20	0 - 200			
571-253-20	0 - 300		100x6.3	±0.03

Inch / Metric				
Code No.	Range (in)	Resolution	Base (WxT) (in)	Maximum permissible error E_{MPE} (in)*1
571-261-20	0 - 6	0.0005 in/ 0.01mm	3.93x0.23	±0.001 in/±0.02 mm
571-262-20	0 - 8			
571-263-20	0 - 12		3.93x0.25	±0.0015 in/±0.03 mm

- Dust/Water protection level: IP67*2
 - Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
 - Position detection method: ABSOLUTE electromagnetic inductive linear encoder
 - Battery life: Approx. 5 years
 - Response speed: Unlimited
- *1 Maximum permissible error, E_{MPE} , is the term defined by ISO 13385-2:2011.
*2 Rustproofing shall be applied after use if caliper was in contact with coolant.

DIMENSIONS



MeasurLink[®] **ENABLED**
Data Management Software by Mitutoyo

U-WAVE^{fit}

ABSOLUTE[™]

IP67

Dust- and
Water-
Protected
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ID 000045042

Measurement example



Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type IT-020U
05CZA624	A	Connection cable (1 m)
05CZA625	A	Connection cable (2 m)
06AFM380A	A	USB Input Tool Direct (2 m)
02AZD730G	IP67	U-WAVE-T
02AZD880G	Buzzer	U-WAVE-T
02AZE200	—	U-WAVE-T mounting bracket
02AZD790A	A	Connection cable for U-WAVE-T (160 mm)
02AZE140A	A	Connection cable for U-WAVE-T For foot switch
02AZE140C	C	Connection cable for U-WAVE-T For foot switch
264-620	IP67	U-WAVE-TC
264-621	Buzzer	U-WAVE-TC
264-624	IP67	U-WAVE-TCB
264-625	Buzzer	U-WAVE-TCB
02AZF310	IP67	Connecting unit for U-WAVE-TC/TCB
02AZF300	—	Connecting unit for U-WAVE-TC

Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type IT-020U
959149	C	Connection cable (1 m)
959150	C	Connection cable (2 m)
06AFM380C	C	USB Input Tool Direct (2 m)
02AZD730G	IP67	U-WAVE-T
02AZD880G	Buzzer	U-WAVE-T
02AZE200	—	U-WAVE-T mounting bracket
02AZE140A	A	Connection cable for U-WAVE-T For foot switch
02AZD790C	C	Connection cable for U-WAVE-T (160 mm)
02AZE140C	C	Connection cable for U-WAVE-T For foot switch
264-620	IP67	U-WAVE-TC
264-621	Buzzer	U-WAVE-TC*
264-624	IP67	U-WAVE-TCB
264-625	Buzzer	U-WAVE-TCB*
02AZF300	—	Connecting unit for U-WAVE-TC/TCB (For models with a range up to 300 mm/12 in)
959143	—	Data hold unit

* Cannot be used with **571-20X-10** and **571-21X-10**.

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- Optional longer extension bases are available.



SPECIFICATIONS

Metric					
Code No.	Range (mm)	Resolution (mm)	Battery life	Base (W×T) (mm)	Maximum permissible error E_{MPE} (mm)*1
571-201-30	0 - 150	0.01	Approx. 5 years	100×6	±0.02
571-202-30	0 - 200			100×6.3	±0.03
571-203-30	0 - 300		Approx. 3 years	250×10	±0.05
571-204-10*2	0 - 450				±0.06
571-205-10*2	0 - 600				±0.07
571-206-10*2	0 - 750				±0.07
571-207-10*2	0 - 1000				±0.07

Inch / Metric					
Code No.	Range (in)	Resolution	Battery life	Base (W×T) (in)	Maximum permissible error E_{MPE} (in)*1
571-211-30	0 - 6	0.0005 in/ 0.01mm	Approx. 5 years	3.93×0.23	±0.001 in/±0.02 mm
571-212-30	0 - 8			3.93×0.25	±0.0015 in/±0.03 mm
571-213-30	0 - 12		Approx. 3 years	9.8×0.39	±0.002 in/±0.05 mm
571-214-10*2	0 - 18				±0.0025 in/±0.06 mm
571-215-10*2	0 - 24				±0.0025 in/±0.06 mm
571-216-10*2	0 - 30				±0.0025 in/±0.07 mm
571-217-10*2	0 - 40				±0.0025 in/±0.07 mm

- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Position detection method: Electrostatic capacity absolute sensor
- Response speed: Unlimited

*1 Maximum permissible error, E_{MPE} , is the term defined by ISO 13385-2:2011.

*2 Cannot be used with **U-WAVE-TC**

DIMENSIONS

