Mitutoyo

Mitutoyo Quality

ABSOLUTE DIGIMATIC HEIGHT GAGE
SERIES 570

Excellent Functionality and Cost Performance

Features

Slider Feed Wheel
- Smooth up/down displacement with the slider feed wheel identical to that of double-column height gages.

Large Clamp Lever
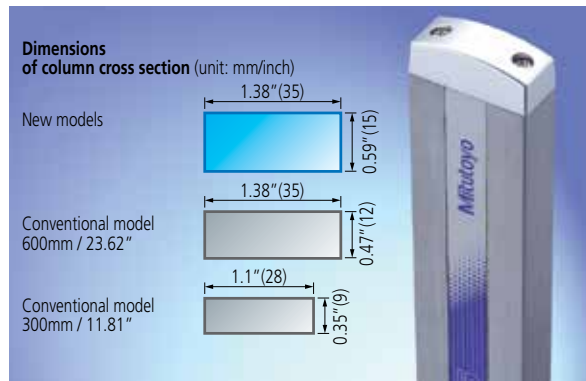- Lever provides reliable slider clamp operation.

Base
- New base design makes it easy to move and hold.

Column
- Durable and high-measuring accuracy.
- Increased rigidity: 1.38 x 0.59"(35 x 15mm) common to all models.
- Instrumental error of 12"/300mm model: ±.0015"/±0.03mm, an improvement compared to earlier models.

Dimensions of column cross section (unit: mm/inch)

New models: 1.38"(35) × 0.59"(15)

Conventional model 600mm / 23.62": 1.38"(35) × 0.47"(12)

Conventional model 300mm / 11.81": 1.1"(28) × 0.35"(9)

Large LCD
- Character size: 0.39" x 0.15"(10 x 3.8mm), is easy to read.
- Readable in dark environments.

Actual Size

77.71 mm

Built-in ABS (Absolute) Encoder
- Eliminates the need to set the reference point every time the unit is turned on.
- Eliminates over-speed errors.

HDS

570-304

570-302

Functions

- **ORIGIN (Absolute Origin) Setting Function**
  The surface plate top, etc., can be stored as the absolute origin.

- **ABS (Absolute) Measurement Function**
  After power-on, measurement can begin without zero-setting as required by previous models. Also, the absolute origin position can be changed with the ORIGIN (Absolute Origin) switch.

- **INC (Incremental) Measurement Function**
  This function allows the origin setup at an arbitrary position in addition to the ABS (Absolute) Measurement Function. Turning the power off clears the new origin from memory and reverts the gage back to its original absolute origin.

- **Hold Function**
  A display value can be held.

- **Output Function**
  The output terminals of measured data allow you to establish a statistical process control system or a measurement support system.

- **Low Battery Alarm**
  Notification of low battery life. "▭▬◢"

Dimensions

Unit: inch (mm)

.59" (15) · 1.38" (35) · 0.47" (12) · 2.76" (70.2) · 4.46" (113.2) · 0.39" (10) · 1.26" (32) · 3.15" (80) · 2.32" (59) · 0.35" (9) · L · A · B · C

Specifications

Order No.	570-302	570-304	570-312	570-313	570-314
Measuring range (mm/inch)	0 - 300mm	0 - 600mm	12"/300mm	18"/450mm	24"/600mm
Resolution (mm/inch)	0.01mm		.0005"/0.01mm		
Instrumental error[1]	±0.03mm	±0.05mm	±.0015"/ ±0.03mm	±.0020"/±0.05mm	
Repeatability (mm/inch)	0.01mm		.0005"/0.01mm		
Display	6-digit LCD, character height of 10mm				
Response speed	Unlimited				
Power supply	SR44 (button-type silver oxide battery) 1pc: **938882**				
Battery life	20,000 hours				
Functions	ORIGIN (absolute origin) setting function, ABS (absolute) measurement function, INC (incremental) measurement function, Hold function, Output function[2], and Low-battery alarm				
Mass lbs (kg)	10.14 (4.6)	14.11 (6.4)	10.14 (4.6)	13 (5.9)	14.11 (6.4)
Slider feed	Wheel rotation				
Standard accessories Scriber clamp: **05GZA033**	Scriber: **07GZA000** Scriber clamp: **901385**		Scriber: **900258**		
Optional accessories	Holder armC: **953638** (for mm), **953639** (for inch) Clamp with dovetail groove: **902053**/Connecting cable: **905338** (1m), **905409** (2m)				
L	20.0" (507mm)	32.0" (812mm)	20.0" (507mm)	26.1" (662mm)	32.0" (812mm)"
A	6.3" (160mm)	7.13" (181mm)	6.3" (160mm)	7.13" (181mm)	
B	4.8" (122mm)	5.6" (142mm)	4.8" (122mm)	5.6" (142mm)	
C	2.86" (72.6mm)	2.92" (74.1mm)	2.86" (72.6mm)	2.92" (74.1mm)	

*1: Quantizing error: ±1 count is not included.   *2: Data output cable (option): 1m (**905338**) or 2m (**905409**)
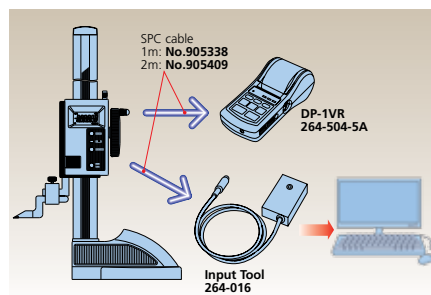
Optional Accessories

- Holder arm C allows a test indicator to be attached to this gage and the clamp (with a dovetail groove) (Refer to specifications).

Clamp (with a dovetail groove)

Holder arm C

Scriber clamp

Output Function Provided

- Measured data can be output to the small printer Digimatic Mini Processor DP-1VR (optional) or to a personal computer via the input tool (optional).

SPC cable
1m: **No.905338**
2m: **No.905409**

DP-1VR
264-504-5A

Input Tool
264-016

Coordinate Measuring Machines	Vision Measuring Systems	Form Measurement	Optical Measuring
Sensor Systems	Test Equipment and Seismometers	Digital Scale and DRO Systems	Small Tool Instruments and Data Management

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