

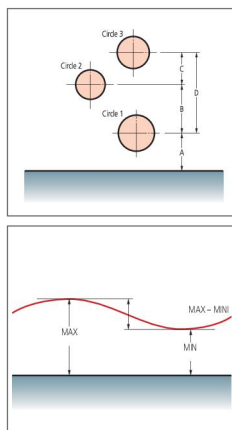
QM-Height

Series 518

This is a high precision ABSOLUTE Digital Height Gauge that offers you the following benefits:

- It has a high accuracy, high resolution ABSOLUTE linear encoder for position detection.
- Types with and without pneumatic drive mechanism
- Automatic running of prelearnt part programs
- You can easily implement frequently used measurements, such as inside/outside diameter and pitch calculations, by icon-based commands that also support easy one-key operation.
- Extraordinary battery life
- GO/±NG judgement is performed by setting the upper and lower tolerances.

ABSOLUTE*



Metric

No.	Range	Accuracy	Perpendicularity	Repeatability	Air floating	Data output	Mass [kg]
518-240	0-350 mm	$\pm(2,4+2,1L/600) \mu\text{m}$ L = Measuring length (mm)	7 μm	$(2\sigma) \leq 1,8 \mu\text{m}$	no	Yes	25
518-242	0-600 mm	$\pm(2,4+2,1L/600) \mu\text{m}$ L = Measuring length (mm)	12 μm	$(2\sigma) \leq 1,8 \mu\text{m}$	no	Yes	26
518-244	0-350 mm	$\pm(2,4+2,1L/600) \mu\text{m}$ L = Measuring length (mm)	7 μm	$(2\sigma) \leq 1,8 \mu\text{m}$	yes	Yes	29
518-246	0-600 mm	$\pm(2,4+2,1L/600) \mu\text{m}$ L = Measuring length (mm)	12 μm	$(2\sigma) \leq 1,8 \mu\text{m}$	yes	Yes	30

*1 Range with probe turned to upwards position



Specifications

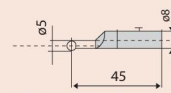
Scale	ABSOLUTE electromagnetic inductive
Digital step	0,001 mm/0,005 mm
Display	TN monochrome LCD
Measuring function	1D measurement: height diameter, pitch, Max/Min/TIR (Max-Min), tolerance, preset, data memory
Drive method	Manual
Measuring force	1,5 ± 0,5 N
Guiding method	Roller bearing
Power supply	Alkaline battery size AA LR6 (4 pcs.), rechargeable battery size AA Ni-MH (4 pcs.), AC-Adapter (optional)
Battery life	Approx. 1.200 h (without air floating) approx. 90 h (with air floating)

Standard accessories

No.	Description
011037	Battery, LR6, 1,5V, 4 pcs.
12AAA715	Setting Block Linear Height/QM-Height, Probe Calibration
05HZA148	Ball Offset Probe QM-Height, D=5mm, Standard Accessory

Optional accessories

No.	Description
936937	Digimatic Cable, Flat 10-Pin Type, 1m
965014	Digimatic Cable, Flat 10-Pin Type, 2m
06AFM380D	USB Input Tool Direct (Digimatic USB), Flat 10-Pin Type
02AZD880G	U-WAVE-T, Buzzer Type, Wireless Transmitter
02AZD730G	U-WAVE-T, IP67 Type, Wireless Transmitter
02AZD790D	U-WAVE-T Connection Cable D, Flat 10-Pin Type
02AZE990	U-WAVE-T Mounting Plate, For Small Tools
06AFZ950D	AC-Adapter, 6V 2A, CEE Type, Germany (Europe)



05HZA148

05HZA148



02AZE990 for U-WAVE (wireless system)



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