



500-712-20
Measuring range: 0 - 150mm
With measurement data output port

Full size

FEATURES

- This standard ABS coolant-proof caliper is rated to protection code IP67, which allows trouble-free use even in situations where it is exposed to coolant or cutting oil. A 100% air-leak test before product shipment guarantees IP67 performance.
- The character height on the LCD has been enlarged to 9mm (former model: 7.4mm) for enhanced ease of use.
- Simple design with only one switch allows easy measurement operation.
- The Auto-Power ON/OFF function blanks the LCD by turning off the power if the caliper is not used for about 20 minutes. However, the origin point of the ABS length measuring system is still stored in memory. Moving the slider automatically restores power to the LCD.
- The built-in ABS (absolute) scale eliminates the need for origin setting at every power-on to allow measurement to start immediately.

- This type features 4-way operation including outside, inside, step and depth measurements.
- A screwdriver-free battery case cap allows speedy replacement of the battery.
- Lower current consumption has drastically improved battery life to 5 years (formerly: 3 years).
- Models equipped with the measurement data output port can be integrated into statistical process control and networked measurement systems.
- An inspection certificate is supplied to verify conformance to specification but note this is undated so cannot be used as a calibration certificate.



Battery cap (small coin operable)

SPECIFICATIONS

Metric

Order No.	Range	Mass	Measurement data output port	Remarks
500-702-20	0 - 150mm	168g	—	
500-703-20	0 - 200mm	198g	—	
500-712-20	0 - 150mm	168g	—	
500-713-20	0 - 200mm	198g	—	
500-719-20	0 - 150mm	168g	—	Depth bar ø1.9mm
500-721-20	0 - 150mm	168g	✓	Carbide-tipped jaws for outside measurement
500-722-20	0 - 200mm	198g	—	
500-723-20	0 - 150mm	168g	—	Carbide-tipped jaws for outside and inside measurement
500-724-20	0 - 200mm	198g	—	

* Not including quantizing error of ±1 count in LSD

Inch/Metric

Order No.	Range	Mass	Measurement data output port	Remarks
500-731-20	0 - 6"	168g	—	
500-732-20	0 - 8"	198g	—	Carbide-tipped jaws for outside measurement
500-733-20	0 - 6"	168g	—	
500-734-20	0 - 8"	198g	—	Carbide-tipped jaws for outside and inside measurement
500-735-20	0 - 6"	168g	—	
500-736-20	0 - 8"	198g	✓	Carbide-tipped jaws for outside measurement
500-737-20	0 - 6"	168g	—	
500-738-20	0 - 8"	198g	—	Carbide-tipped jaws for outside and inside measurement
500-752-20	0 - 6"	168g	—	
500-753-20	0 - 8"	198g	—	
500-762-20	0 - 6"	168g	✓	
500-763-20	0 - 8"	198g	—	
500-768-20	0 - 6"	168g	—	Depth bar ø1.9mm
500-769-20	0 - 6"	168g	✓	Depth bar ø1.9mm

* Not including quantizing error of ±1 count in LSD

DIMENSIONS

Range	A	B	C	D	H	L
0 - 150	16.5	21	14.6	40	16	233
0 - 200	20	24.5	18.1	50		290

Outside jaw thickness = 3.5mm
Main beam thickness = 3.5mm

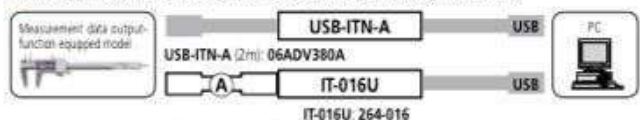
TECHNICAL DATA

- Resolution: 0.01mm or .0005"/0.01mm
 - Accuracy: ±0.02mm
 - Repeatability: 0.01mm
 - Quantizing error: Not including ±1 count.
 - Power supply: SR44 (1 pc), 938882.
 - Battery life: Approx. 5 years under normal use
 - Max. response speed: Unlimited.
 - Thumb roller: Included.
- (Note that the battery supplied is for initial operational checks only.)

Measurement Data Recording Tools & Connecting Cable Options

These options are dedicated interfaces (wired or wireless) that allow simple entry of measurement data to a PC.

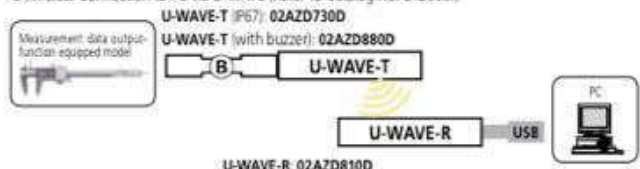
- Wired Connection to PC via USB Input Tool Series (Refer to Catalog No. E12000.)



Connecting cables specific to output-function equipped models

- 1m: 05CZA624
 - 2m: 05CZA625
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- Wireless Connection to PC via U-WAVE (Refer to Catalog No. E12000.)



- For standard use (160mm): 02AZD790A
- For foot switch use: 02AZE140A

