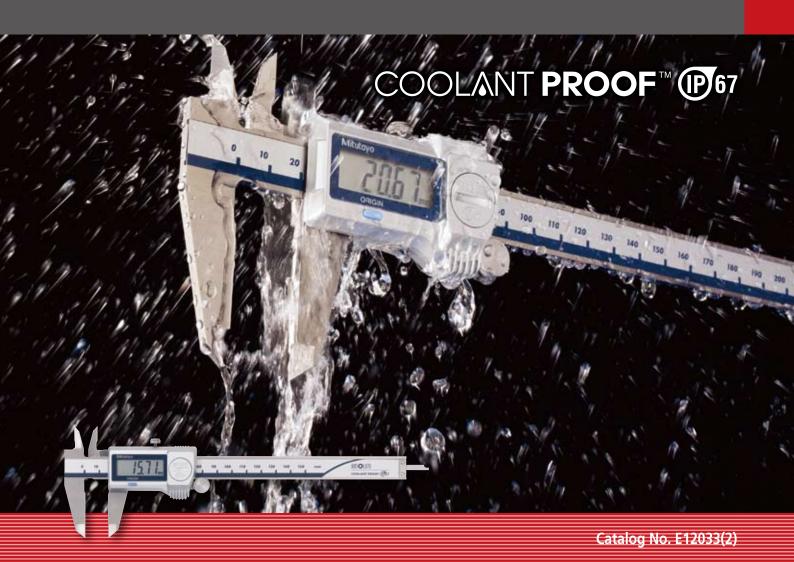




Digital Caliper with waterproof scale IP67 ABSOLUTE Coolant Proof Caliper



## **M**itutoyo

# Digital Caliper with waterproof scale IP67 ABSOLUTE Coolant Proof Caliper

## COOLANT PROOF™ (P)67

COOLANT PROOF is the universal term for Mitutoyo Digimatic Small Tool Instruments that are not only resistant to dust and water ingress (rated to IP65 or better) but also to deterioration of materials due to contact with the cutting oil or coolant fluids in

Note: Some types of aggressive cutting oil or coolant may degrade the sealing materials over time.











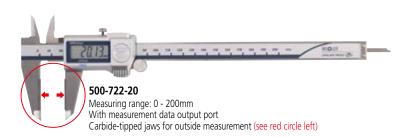








With measurement data output port Carbide-tipped jaws for outside and inside measurement (see red circles left)







## **FEATURES**

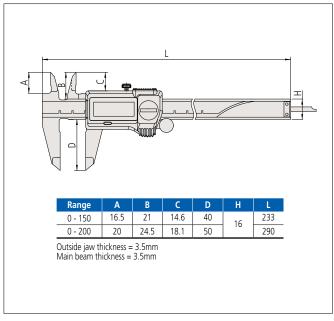
- This standard ABS coolant-proof caliper is rated to protection code IP67, which allows trouble-free use even in situations where it is exposed to coolant or cutting oil. A 100% air-leak test before product shipment guarantees IP67 performance.
- The character height on the LCD has been enlarged to 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.

## **SPECIFICATIONS**

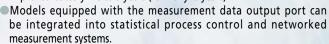
wetric	Metric —							
Order No.	Range	Mass	Measurement data output port	Remarks				
500-702-20	0 - 150mm	168g						
500-703-20	0 - 200mm	198g	-					
500-712-20	0 - 150mm	168g						
500-713-20	0 - 200mm	198g	<b>/</b>					
500-719-20	0 - 150mm	168g		Depth bar ø1.9mm				
500-721-20	0 - 150mm	168g		Carbide-tipped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

<sup>\*</sup> Not including quantizing error of ±1 count in LSD

### **DIMENSIONS**



- 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 Battery cap improved battery life to 5 years (formerly: 3 years).



• An inspection certificate is supplied to verify conformance to specification but note this is undated so cannot be used as a calibration certificate.



inch/ivietric							
Order No.	Range	Mass	Measurement data output port	Remarks			
500-731-20	0 - 6"	168g		Carbide-tipped jaws for outside measurement			
500-732-20	0 - 8"	198g					
500-733-20	0 - 6"	168g	] –	Carbide-tipped jaws for outside and inside measurement			
500-734-20	0 - 8"	198g					
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	1	Depth bar ø1.9mm			

<sup>\*</sup> Not including quantizing error of ±1 count in LSD

### **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**.

(Note that the battery supplied is for initial operational checks only.)

Battery life: Approx. 5 years under normal use

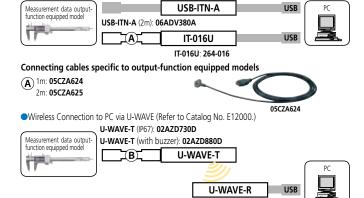
Max response speed: Unlimited

●Thumb roller: Included

## **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. E12007.)



U-WAVE-R: 02AZD810D

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





Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



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