

Calipers

ABSOLUTE Digimatic Caliper SERIES 500 — with Exclusive ABSOLUTE Encoder Technology

04
Calipers

Inch / Metric		Resolution	Maximum permissible error*		Measurement data output port	Mass (g)	Depth bar	Fine adjustment	Remarks
Code No.	Range		EMPE	SMPE					
500-170-30	0 - 4 in/ 0 - 100 mm	0.0005 in/ 0.01 mm	±0.001 in/ ±0.02 mm	±0.002 in/ ±0.04 mm	✓	143	∅0.075 inch rod	—	
500-195-30									—
500-171-30	0 - 6 in/ 0 - 150 mm	0.0005 in/ 0.01 mm	±0.001 in/ ±0.02 mm	±0.002 in/ ±0.04 mm	✓	168	Blade	with thumb roller	Carbide-tipped jaws for outside measurement
500-174-30									Carbide-tipped jaws for outside and inside measurement
500-175-30									—
500-178-30									∅0.075 inch rod
500-196-30									—
500-159-30									Carbide-tipped jaws for outside measurement
500-160-30									Carbide-tipped jaws for outside and inside measurement
500-191-30									—
500-202-30									—
500-172-30									0 - 8 in/ 0 - 200 mm
500-176-30	Carbide-tipped jaws for outside and inside measurement								
500-177-30	—								
500-197-30	Carbide-tipped jaws for outside measurement								
500-163-30	Carbide-tipped jaws for outside and inside measurement								
500-164-30	—								
500-204-30	—								
500-173-30	Carbide-tipped jaws for outside measurement								
500-167-30	0 - 12 in/ 0 - 300 mm	0.0005 in/ 0.01 mm	±0.0015 in/ ±0.03 mm	±0.0025 in/ ±0.05 mm	✓	350	with thumb roller	Carbide-tipped jaws for outside and inside measurement	
500-168-30								—	
500-193-30								Carbide-tipped jaws for outside measurement	
500-165-30								Carbide-tipped jaws for outside and inside measurement	
500-166-30								—	

- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Position detection method: ABSOLUTE electromagnetic induction linear encoder
- Battery life: Approx. 5 years under normal use
- Response speed: Unlimited
- * The Partial Surface Contact Error (EMPE) and Shift Error (SMPE) are terms defined by ISO 13385-1:2019.