

Functions

- Origin-set: Absolute origin position can be changed.
- Data output*: Measurement data output connector allows integration into statistical process control and measurement systems.
 - * Excludes **500-702-20** and **500-703-20**.
- Automatic power on/off: LCD display will turn off after 20 minutes inactivity, but the ABS scale unit origin is stored. Power is restored when the slider is moved.
- Alarm: Error message is displayed if error in calculation is found and measurement is stopped. Measurement will not be continued while error is displayed. Also, if the battery voltage becomes low, "B" appears to alert the user before measurement is no longer possible.



IP67 protection level

IP 6 7

First characteristic number	Protection from solid objects (people or things)		Second characteristic number	Protection from liquids (water, etc.)	
	Brief description	Description		Brief description	Description
6	Dust-proof	No ingress of dust allowed.	7	Protected against water penetration.	Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time.

Note: For details of the test conditions used in evaluating each degree of protection, please refer to the original standard.

SPECIFICATIONS

Order No.	Range (mm)	Maximum permissible error (mm)*		Measurement data output port	Mass (g)	Thumb roller	Remarks
		E_{MPE}	S_{MPE}				
500-702-20	0 - 150	±0.02	±0.04	—	168	✓	—
500-703-20	0 - 200				198		
500-706-20	0 - 150				168		
500-707-20	0 - 200				198		
500-716-20	0 - 150				168		
500-717-20	0 - 200				198		
500-712-20	0 - 150				168		
500-713-20	0 - 200				198		
500-719-20	0 - 150				168		
500-721-20	0 - 150				168		
500-722-20	0 - 200				198		
500-723-20	0 - 150				168		
500-724-20	0 - 200				198		
500-714-20	0 - 300				±0.03		
500-718-20		—	345	—			
500-704-20		—	350	✓			
500-708-20		—	345	—			

* Partial Surface Contact Error, E_{MPE} and Shift Error, S_{MPE} are terms (notations) used in ISO 13385-1:2019.

Order No.	Range (in)	Maximum permissible error*		Measurement data output port	Mass (g)	Thumb roller	Remarks
		E_{MPE}	S_{MPE}				
500-731-20	0 - 6	±0.001 in/ ±0.02 mm	±0.002 in/ ±0.04 mm	—	168	✓	Carbide-tipped jaws for outside measurement
500-732-20	0 - 8				198		
500-733-20	0 - 6				168		
500-734-20	0 - 8				198		
500-735-20	0 - 6				168		
500-736-20	0 - 8				198		
500-737-20	0 - 6				168		
500-738-20	0 - 8				198		
500-752-20	0 - 6				168		
500-753-20	0 - 8				198		
500-762-20	0 - 6				168		
500-763-20	0 - 8				198		
500-768-20	0 - 6				168		
500-769-20	0 - 6				168		
500-764-20	0 - 12	±0.0015 in/ ±0.03 mm	±0.0025 in/ ±0.05 mm	✓	350	✓	—
500-754-20				—	350		

* Partial Surface Contact Error, E_{MPE} and Shift Error, S_{MPE} are terms (notations) used in ISO 13385-1:2019.

DIMENSIONS

Unit: mm

Range (mm)	A	B	C	D	H	L
0 - 150	16.5	21	14.6	40	16	233
0 - 200	20	24.5	18.1	50	16	290
0 - 300	22	27.5	19.8	64	20	404

Outside jaw thickness = 3.5 mm for 0 to 150 mm/0 to 200 mm models
3.8 mm for 0 to 300 mm model