

Product Specifications

Type	Digital egg tester DET6500		
Component	Main unit, Printer, See-through tray (x2), Special mirror, Eggshell thickness gauge*		
Measurement items	Haugh unit, Yolk index, Egg weight, Eggshell strength, Yolk color, Eggshell thickness*		
Measurement time	17 seconds		
Measurement range	Item	Range	Accuracy
	Albumen height	3.0 - 15.0mm	±0.2mm
	Egg weight	25.0 - 200.0g	±0.1g
	Height of egg yolk	5.0-25.0mm	±0.2mm
	Diameter of egg yolk	27.0-69.0mm	±1.0mm
	Eggshell strength	0.82 - 8.16kgf (8.0 - 80.0N)	±0.2kgf
	Yolk color	YolkFan™ (color scale: 1 - 16)	±1.0
	Eggshell thickness*	0.10 - 0.60mm	±0.02mm
Measurement method	Haugh unit	Formula: $HU=100 \times \log (H - 1.7W^{0.37} + 7.6)$ HU: Haugh unit H: Albumen height W: Egg weight Ranking indication** AA (HU 72.0 -) / A (HU 60.0 - 71.9) B (HU 31.0 - 59.9) / C (HU - 30.9)	
	Yolk index	Yolk index = Height of egg yolk / Diameter of egg yolk	
	Albumen height, Height of egg yolk, Diameter of egg yolk	Parallel laser beam, Line sensor	
	Egg weight	Load cell (Zero point auto adjustment function)	
	Eggshell strength	Pulse motor, Load cell	
	Yolk color	White LED, RGB sensor Based on YolkFan™	
	Eggshell thickness*	Digital caliper	
	Power	AC100V - 240V 95W	
Environment	Ambient temperature	5 - 35°C	
	Ambient humidity	20 - 85% (Dew condensation is not allowed)	
Dimensions	280 (W)×360 (H)×450 (D) mm		
Weight	Approx 20kg		

The specifications are subject to change without notice.

*Optional ** Based on the index of the United States Department of Agriculture (USDA)