







0.01mg

Brand		Shimadzu		A&D			
Model		AP135W AP125WD AP225WD	BM-225	○GR	○GH		
Overview Image							
Maximum load	Dual range	100g~	120g/52g 0.1mg/0.01mg				
		200g~	220g/102g 0.1mg/0.01mg		210g/42g	220g/51g 0.1mg/0.01mg	
		300g ~ ~ 100g				250g/101g 0.1mg/0.01mg	
	Single range	100g ~	135g				
		200g ~		250g			
		300g ~					
Basic Spec							
Repeatability (σ≤)		0.02mg(-52g) 0.05mg(-102g) 0.1mg(-220g)	0.03mg(-100g)	0.02mg(-42g) 0.1mg(-210g)	0.02mg(-51g) 0.03mg(-101g) 0.1mg(-250g)		
Lenearity (ε)		±0.03mg(-52g) ±0.1mg(-102g) ±0.2mg(105g-220g)	±0.1mg	±0.03mg(-42g) ±0.1mg(-210g)	±0.03mg(-51g) ±0.1mg(-101g) ±0.2mg(-250g)		
Response Time [sec]	* Response time: The time from when loading a weight till a balance displays 90% of the weight. The weight has mass nearly equal to the balance's maxload.	8 (0.01mg Range) 2(0.1mg Range)	8	8 (0.01mg Range) 3.5(0.1mg Range)	8 (0.01mg Range) 3.5(0.1mg Range)		
Ambient temperature range		5~40°C, Under 85%RH	5~40°C, Under 85%RH	5~40°C, Under 85%RH	5~40°C, Under 85%RH		
Sensitivity temperature drift	[ppm/°C] (10~30°C)	±2	±2	±2	±2		
Stanrards	CE	○		○	○		
	OIML, ECTA	○ complied with OIML R76 2006		—	-		
	IP						
Built-in Ionizer		Option	○				
Internal Windbreak Plate		Option	○				
Function							
Mode	Simple Weiging Mode	○					

	Formulation Mode	<input type="radio"/>				
	High Stabilization Mode	<input type="radio"/>				
	Configurability for surrounding environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Calibration and Management	PSC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Clock CAL(t-CAL)	<input type="radio"/>				
	Calibration by Internal Weight (i-CAL)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Sensitivity Check by Int. Weight (i-test)	<input type="radio"/>	<input type="radio"/>			
	Calibration by Ext. Weight(E-CAL)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Sensitivity Check by Ext. Weight(E-test)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	Calibration of Int. Weight(P-CAL)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	ISO/GLP/GMP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		*Date & time info is printable	*Date & time info is printable	*Date & time info is printable	*Date & time info is printable	
ISO/GLP/GMP Printing Items Setting	<input type="radio"/>	<input type="radio"/>				
Advanced Function	Piece Counting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Setting Reference Weight for Piece Counting	<input type="radio"/>		<input type="radio"/>		
	Unit: %	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Statistics Calculation	<input type="radio"/>				
	Multiplication Factor Weighing	<input type="radio"/>				
	Buffer solution preparation	<input type="radio"/>				
	Formulation Mode	<input type="radio"/>			<input type="radio"/>	
	Recipe formulation	<input type="radio"/>				
	Unit: mol	<input type="radio"/>				
	Average / dynamic weighing for Animal weighing	<input type="radio"/>			<input type="radio"/>	
	Comparator Mode	<input type="radio"/>			<input type="radio"/>	
	Weighing for referenced target weight	<input type="radio"/>				
	Measured Value Memory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Specific Gravity Measurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
System Setting	ID Setting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	ID & Password Setting	<input type="radio"/>				
	Print Current Setting	<input type="radio"/>	<input type="radio"/>			
	Menu Reset	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	
	Menu Lock	<input type="radio"/>	By password		<input type="radio"/>	
	Auto OFF	<input type="radio"/>			<input type="radio"/>	
	Clock Function: Date, Time	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	
	Daily Check Support	<input type="radio"/>				
	Calculate MSQ	<input type="radio"/>	Alarm function is available			
	User Setting	<input type="radio"/>				
	External I/O	RS-232C Connector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		 USB Host	<input type="radio"/>	USB memory Numeric keypad Barcode reader		

	 USB Device	<input type="radio"/>	<input type="radio"/>		
		CDC	CDC		
	Windows Direct	<input type="radio"/>	need an accompanying software installed	need an accompanying software installed	need an accompanying software installed
	Auto Print	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Continuous Output	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Interval Timer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Print Date and Time	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
	other I/O interface				

Dimensions

Dimensions and Structure	Material: Case/Base	die-cast / die-cast		Plastic / die-cast	die-cast / plate
	WxDxH [mm]	210 x 365 x 355	259x466x326	253x330x327	217x442x316 Hight inside
	Windbreak	<input type="radio"/> glass, 3 dimensions are slidable	<input type="radio"/> glass, 3 dimensions are slidable	<input type="radio"/> glass, 3 dimensions are slidable	<input type="radio"/> glass, 3 dimensions are slidable
	Pan Size [mm]	φ91	φ90	φ85	φ90
	Pan Hight [mm]	98	50	-	50
	Width of weighing chamber [mm]	166?		-	-
	Display	Dot matrix OLED multilingual *Japanese, English, Chinese	LCD with backlight *nega display	LCD	LCD
	Weight [kg]	approx. 6.5	approx. 10	approx. 6.0	approx. 8.2
	Weighing Below the Balance by Hook	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Protection Cover	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power Supply	12V, 1A	approx. 30VA	power consumption approx. 15VA	12V, 0.3A	