Fidelity Measurement

SW Series

Stainless Steel Weights

SW **stainless steel weights series are built and calibrated according to OIML R111 accuracy requirements. All of these weights are adjusted as close to the upper positive tolerance range of one higher accuracy class as possible. This gives a longer life span against worn out.**

Class F_1 weights are ideal for testing and calibrating high precision balances. They are made of one single piece of stainless steel (monobloc).

Class F_2 weights are ideal for routine testing high precision balances.

Class M_1 weights are ideal for routine testing of general scales. They are designed with an adjusting cavity at bottom which allows optimized and easy adjustment.

All set of weights and individual weights of 1kg or higher come with an aluminum box, while individual weights 100g ~ 500g come with plastic cylinder enclosure.

Definitions and Applications of Various Weight Classes (extracted from OIML R111)

- **Class F_1: - Weights intended for use in the verification or calibration of class F_2 weights and for use with weighing instruments of special accuracy class I and high accuracy class II.**
- **Class F_2: - Weights intended for use in the verification or calibration of class M_1 and possibly class M_2 weights. Also intended for use in important commercial transactions (e.g. precious metals and stones) on weighing instruments of high accuracy class II.**
- **Class M_1: - Weights intended for use in the verification or calibration of class M_2 weights, and for use with weighing instruments of medium accuracy class III.**

Standard of Accuracy

SW Stainless Steel Weights Series

Specifications

Class	F_1	F_2	M_1	Mass Range	Packing
Model	F1-SSW-10001	F2-SSW-10001	M1-SSW-10001	10kg~1mg	Aluminum Box STANDARD
	F1-SSW-51	F2-SSW-51	M1-SSW-51	5kg~1kg	
	F1-SSW-2001	F2-SSW-2001	M1-SSW-2001	2kg~1mg	
	F1-SSW-1001	F2-SSW-1001	M1-SSW-1001	1kg~1mg	
	F1-SSW-0501	F2-SSW-0501	M1-SSW-0501	500g~1mg	
	F1-SSW-0201	F2-SSW-0201	M1-SSW-0201	200g~1mg	
	F1-SW20	F2-SW20	M1-SW20	20kg	
	F1-SW10	F2-SW10	M1-SW10	10kg	
	F1-SW5	F2-SW5	M1-SW5	5kg	F_1, F_2 = Aluminum Box M_1 = Plastic Cylinder OPTIONAL
	F1-SW2	F2-SW2	M1-SW2	2kg	
	F1-SW1	F2-SW1	M1-SW1	1kg	
	F1-SW05	F2-SW05	M1-SW05	500g	Plastic Cylinder OPTIONAL
	F1-SW02	F2-SW02	M1-SW02	200g	
	F1-SW01	F2-SW01	M1-SW01	100g	
	F1-SW50g	F2-SW50g	M1-SW50g	50g	
	F1-SW20g	F2-SW20g	M1-SW20g	20g	
	F1-SW10g	F2-SW10g	M1-SW10g	10g	
	F1-SW05g	F2-SW05g	M1-SW05g	5g	
	F1-SW02g	F2-SW02g	M1-SW02g	2g	
	F1-SW01g	F2-SW01g	M1-SW01g	1g	
	F1-SW500mg	F2-SW500mg	M1-SW500mg	500mg	Bag STANDARD
	F1-SW200mg	F2-SW200mg	M1-SW200mg	200mg	
	F1-SW100mg	F2-SW100mg	M1-SW100mg	100mg	
	F1-SW50mg	F2-SW50mg	M1-SW50mg	50mg	
	F1-SW20mg	F2-SW20mg	M1-SW20mg	20mg	
	F1-SW10mg	F2-SW10mg	M1-SW10mg	10mg	
	F1-SW05mg	F2-SW05mg	M1-SW05mg	5mg	
	F1-SW02mg	F2-SW02mg	M1-SW02mg	2mg	

	F1-SW01mg	F2-SW01mg	M1-SW01mg	1mg
Construction	• F_1 (1g and above) = Monobloc • F_2 & M_1 (50g and above) = Adjusting Cavity at Bottom • F_2 & M_1 (1g ~ 20g) = Monobloc • F_1, F_2 & M_1 (1mg ~ 500mg) = Plate			
Material	• F_1 & F_2 = Stainless Steel, Grade = 1Cr18Ni9Ti. Susceptibility $\leqq$ 0.05 • M_1 = Stainless Steel, Grade = 2CR13			
Specifications subject to change prior to notice				

Option

- Aluminum Packing Box for M_1 Class 1, 2 and 5kg Individual Weight

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