



● Standard Dimensions

Note: ※ Please do not fasten the mounting screws over 3mm. in order to prevent the damage of the inside resistive element.

Model No.	Mechanical Stroke (MS)	Dimensions		
		A	B	C
18FLPA15	15	50.0	25.0	12.5
18FLPA30	30	65.0	40.0	12.5
18FLPA50	50	85.0	50.0	17.5
18FLPA100	100	135.0	100.0	17.5

● Standard Model Nos.

- 18FLPA15 Stroke 15mm
- 18FLPA30 Stroke 30mm
- 18FLPA50 Stroke 50mm
- 18FLPA100 Stroke 100mm

● General Specifications

Model No.	18FLPA15	18FLPA30	18FLPA50	18FLPA100
Standard Resistance Values	500,1k,2k,5k,10k (Ω)	500,1k,2k,5k,10k (Ω)	500,1k,2k,5k,10k (Ω)	1k,2k,5k,10k,20k (Ω)
Total Resistance Tolerance	±10% (K)			
Independent Linearity Tolerance	Standard Class	±0.7%	±0.4%	±0.3%
	Precision Class	±0.5%	±0.25%	±0.2%
Resolution	Essentially Infinite			
Output Smoothness	Within 0.1% against input voltage			
Contact Resistance Variation	Within 2% C.R.V.			
Power Rating	0.3W	0.6W	0.75W	1.25W
Electrical Stroke	15±0.5mm	30±0.5mm	50±0.5mm	100±0.5mm
Mechanical Stroke (MS)	15 ⁺² ₀ mm	30 ⁺² ₀ mm	50 ⁺² ₀ mm	100 ⁺² ₀ mm
Insulation Resistance	Over 1,000MΩ at 1,000V.D.C.			
Dielectric Strength	1 minute at 1,000V.A.C.			
Friction	Within 0.3N (30gf)		Within 1N (100gf)	
Stopper Strength	Approx. 90N (9kgf)			
Resistance Temperature Coefficient	±400p.p.m./°C			
Mass	Approx. 60g	Approx. 70g	Approx. 100g	Approx. 140g

● Special Specifications Available

Higher resistance value (50kΩ, 100kΩ [100kΩ is available for 18FLPA100 only]), Cardan joint, Stroke 150mm (S18FLPA150), Stroke 200mm (S18FLPA200), Sealed type (IP54, The length of "A" is extended by abt. 6mm.), Spring return device (up to 100mm. stroke. Friction is 3N [300gf]. Spring return device is mounted on the outer shaft and the shaft is extended by some extent depending on the models. For details, please ask us.), Special machining on the shaft.