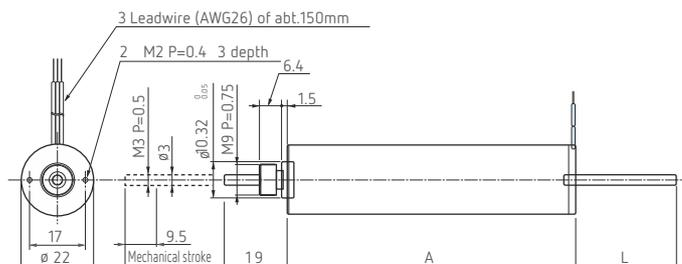




**mm** LSM22

**Standard dimensions**



Model No.	Mechanical stroke	Housing length(A)	Shaft length(L)
LSM22-10-5	14mm	Abt. 54mm	10mm
LSM22-20-5	24mm	Abt. 74mm	20mm
LSM22-30-5	34mm	Abt. 90mm	30mm

**Note:** 1 pc.each of inner teeth washer and hex nut is attached.  
N.B. : When using in the application under continuous vibration and/or shock, please support the rear part of the unit with a fixing device.

**Standard Model Nos.**

- LSM22-10-5
- LSM22-20-5
- LSM22-30-5

**General Specifications**

Model No.	LSM22-10-5	LSM22-20-5	LSM22-30-5
Current Consumption		Approx. 5mA	
Independent Linearity Tolerance		±0.5%FS	
Mechanical Stroke	Approx. 14mm	Approx. 24mm	Approx. 34mm
Effective Electrical Stroke	Approx. 10mm	Approx. 20mm	Approx. 30mm
Applied Voltage		5V±10% D.C.	
Load Resistance		10kΩ min.	
Output Voltage Range		Approx. 10% ~ Approx. 90% Vin	
Output Temperature Characteristic		Within ±2.5% Vout÷FS	
Drift at Center Position		Within ±0.5% Vout÷FS	
Operating Temperature Range		-40°C ~ + 105°C	
Storage Temperature Range		-40°C ~ + 105°C	
Mass	Approx. 30g	Approx. 40g	Approx. 60g
Friction N (gf)		Within 0.1N (10gf)	

## ■ Environmental Specifications

Model No.	LSM22-10-5	LSM22-20-5	LSM22-30-5
Thermal Shock	5 cycles under -50 °C ~ + 105°C		
Exposure at Low Temperature	24 hours at -50°C		
Exposure at High Temperature	1,000 hours at +105°C		
Moisture Resistance	40°C 95%RH 120 hours		
Vibration	10 to 2,000Hz 196m/s <sup>2</sup> 12 hours		
Shock	980m/s <sup>2</sup> (18 times)		
Life Expectancy (Shaft reciprocating motions)	Approx. 50,000,000		
Protection Grade	IP40		

**Note:** Life expectancy may differ from the specifications depending on status of use.

## ■ Special Specifications Available

Special applied voltage (Possible to meet with from 3V.D.C. to 10V D.C.), Spring return device incorporated, Other special specifications are also possible and please consult us with your concrete requirements.