

DML 669

MINIATURE FORCE SENSOR

Product Advantages

Miniature Force Sensors are compact and low-profile load cell designed for high-precision force measurements. Operating with strain gauge technology, this sensor features a stainless steel body that ensures high durability and long-term stability. Its small size allows for easy integration into limited installation spaces. It provides reliable data acquisition in industrial processes requiring precise force monitoring.



Design Characteristics

- Extremely rigid, so that high natural frequencies can be attained
- High loading capacity
- Durable
- Compact design
- Broad measuring range
- Direct measurements in the force flux
- Extensive range.

Areas of application

- Test Machines
- Assembly Presses
- Automation Systems and other related applications.

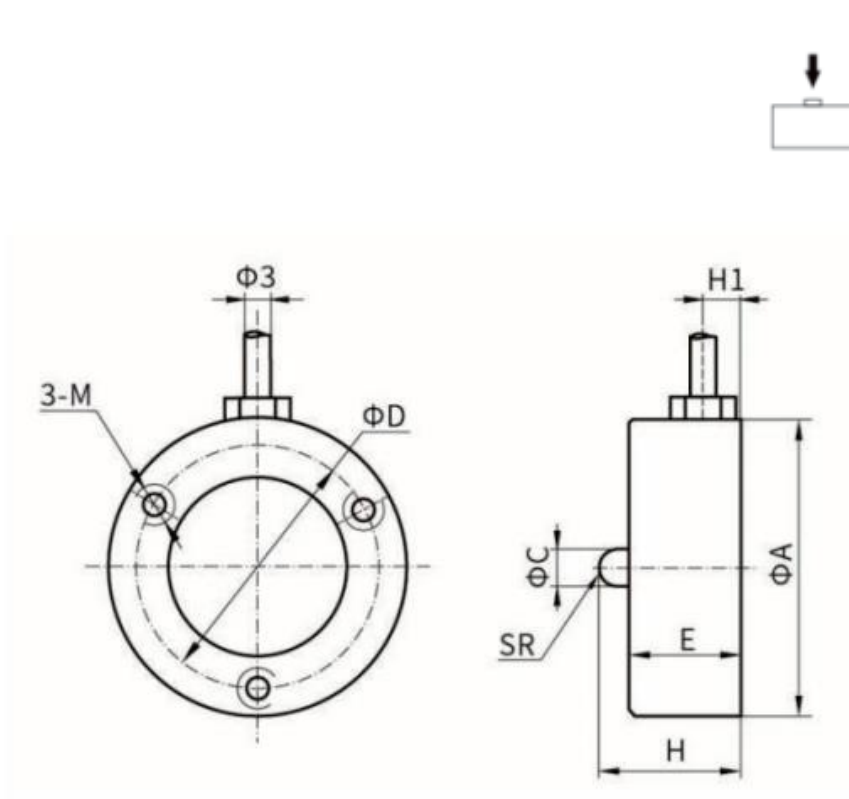
Specifications

Rated Load (kN)	0.1/0.2/0.3/0.5
	1/2/3/5
	10/20
Comprehensive Error	±0.5%F.S
Rated Output	1.0 ~ 1.5 mV/V
Zero Balance	±1%F.S
Creep	±0.05%F.S/30min
Input Resistance	350 ± 20Ω
Output Resistance	350 ± 3Ω
Temp. Effect on Span	±0.05 %F.S/10°C
Temp. Effect on Zero	±0.05%F.S/10°C
Operating Temp. Range	-20 ~ +65°C
Excitation (Recommended)	10VDC
Safe Overload	150%F.S
Ultimate Overload	200%F.S
Insulation Resistance	≥5000MΩ (100VDC)
Ingress Protection	IP66

Wiring Code

Exc+	Red	●
Exc-	Black	●
Sig+	Green	●
Sig-	White	○

Dimensions



Rated Load		Size (mm)							
kN	Kg.f	ΦA	ΦC	ΦD	H	E	M	H1	SR
0.1 ~ 2	10 ~ 200	20	2.5	15.5	12	10	M3	3.5	6
3 ~ 10	300 ~ 1000	26	5	18.5	15	11.5	M4	3.5	6
20	2000	30	6	20	18	14	M4	3.5	15

Ordering Code

