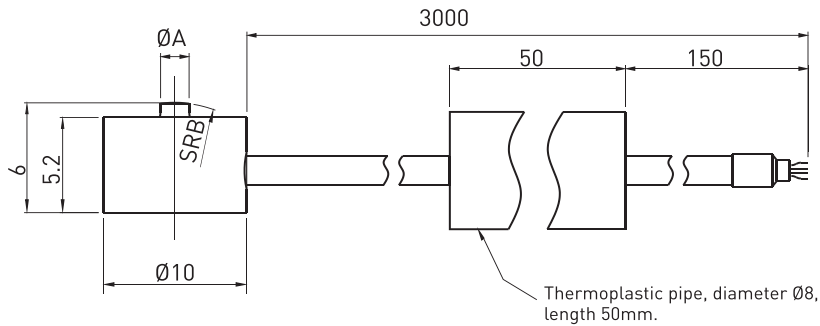


# F1814

## Size and Capacity



CAP (kg)	SIZE (mm)	ØA	B	Material	Weight
3		1	8	Aluminum alloy	0.1kg
5/10		1.5	5	Stainless steel	
20/30		2	8		
50/100		2.5	10		



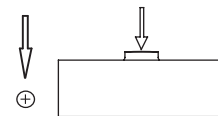
## Features & Applications

- Miniature load cell, low profile
- Made of stainless steel or aluminum alloy, IP64
- Adjustable resistance outside the load cell for zero adjustment
- Suitable for force measurement in limited spaces
- Various applications such as consumer electronics assembly, automation industry

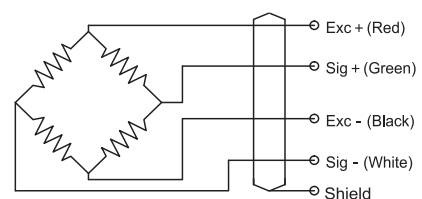
## Technical Parameters

Specifications	Technique
Rated output	1.0 ± 10% mV/V
Non-linearity	1% F.S.
Hysteresis	0.5% F.S.
Repeatability	0.5% F.S.
Input impedance	1030 ± 80 Ω
Output impedance	1030 ± 80 Ω
Insulation	≥5000M Ω / 100VDC
Recommended excitation	5V
Maximum excitation	7V
Operation temp. range	-20 ~ 80°C
Safe overload	120% F.S.
Ultimate overload	150% F.S.
Cable size	Ø2 × 3000 mm
Protection class	IP65
Cable color code	Input: Red(+) Black(-); Output: Green(+) White(-);

## Load Direction



## Schematic Wiring Diagram



Note: Cable shield is not connected to element.