Brake Pedal Force Sensor

Features

Capacity 500-2000N

High accuracy

Low profile

Nickel plated alloy steel

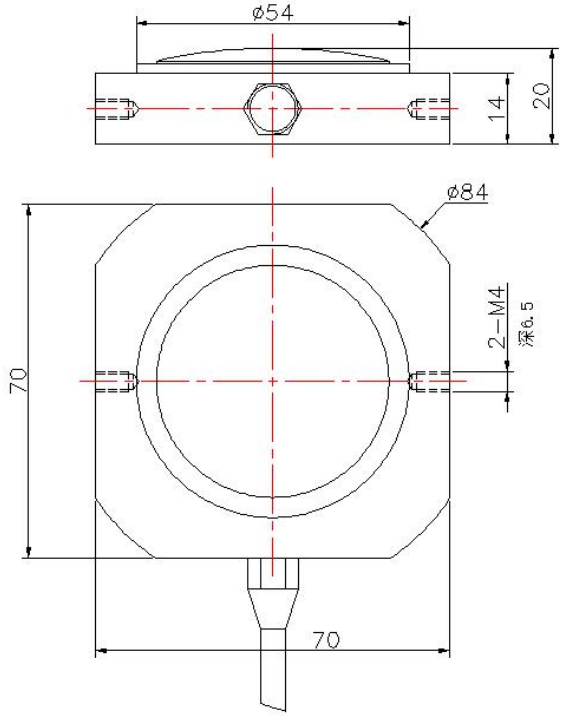
Optional features

Optional output(4-20mA,0-5V)

DESCRIPTION

The ZMMC2 brake pedal force sensor is designed to measure load applied to the brake, accelerator or clutch pedal. Thanks to its low-profile design, large contact area and universal mounting bracket, the sensor is easy to install and remove. A high overload protection also prevents damage in the event of an emergency stop.

DIMENSIONS (mm)



Wiring diagram

+ Excitation	Red
- Excitation	Black
+ Signal	Green
- Signal	White

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (Emax)	500-2000	N
Rated output-R.O.	2.0	mV/V
Zero balance	1	±% of rated output
Non linearity	0.1	±% of rated output
Hysteresis	0.05	±% of rated output
Non-repeatability	0.05	±% of rated output
Creep error (30 minutes)	0.05	±% of rated output
Zero return (30 minutes)	0.05	±% of rated output
Temperature effect on min. dead load output	0.0026	±% of rated output/℃
Temperature effect on sensitivity	0.0015	±% of rated output/℃
Compensated temperature range	-10 to +40	℃
Operating temperature range	-20 to +60	℃
Safe overload	150	% of R.C
Ultimate overload	200	% of R.C
Excitation, recommended	10	Vdc
Excitation, maximum	15	Vdc
Input resistance	720±20	Ohms
Output resistance	700±3	Ohms
Insulation resistance	5000	Mega-Ohms
Material	Alloy steel	
Protection class	IP65	

All specifications listed subject to change without notice.