

In-line threaded force sensor



Features

Capacity 10kg-500kg

In-line threaded

Micro size

Stainless steel construction

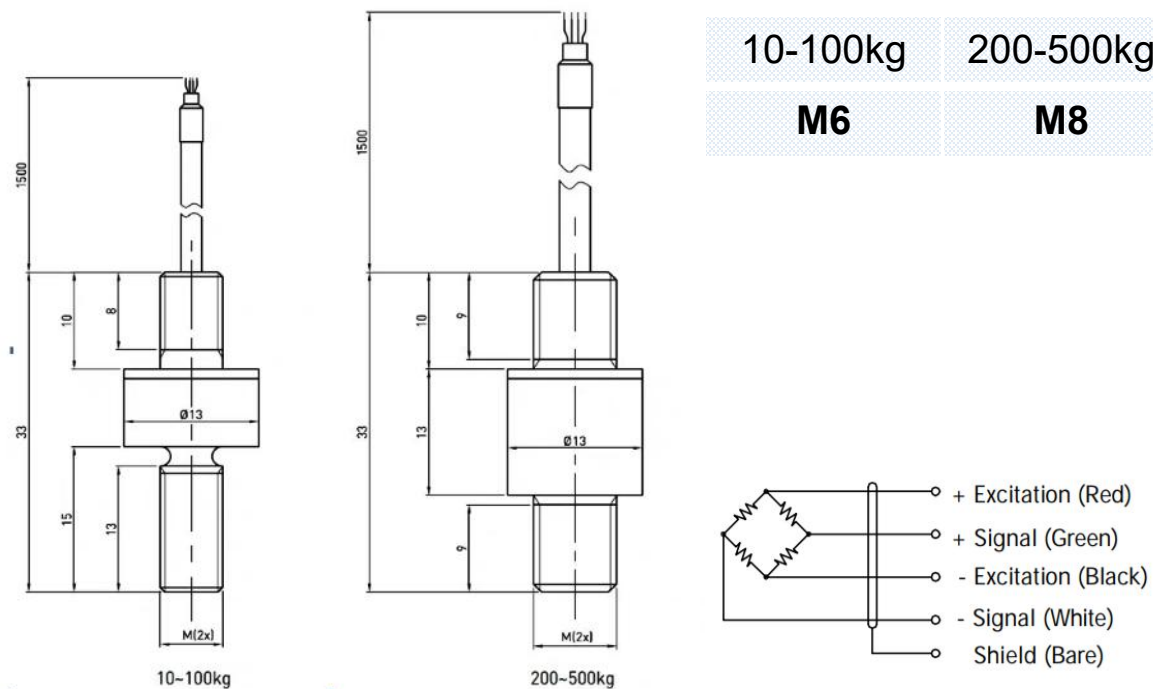
Optional features

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

DESCRIPTION

The ZMME-S is a series of miniature force transducers designed for applications in general test and measurement as well as machine monitoring and control. The threaded construction enables the ZMME-S to be easily assembled into equipment under test where both tension and compression forces require monitoring.

DIMENSIONS (mm)



SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E _{max})	10-500	KG
Rated output-R.O.	1.0-1.5	mV/V
Zero balance	1	±% of rated output
Non linearity	0.2	±% of rated output
Hysteresis	0.1	±% of rated output
Non-repeatability	0.05	±% of rated output
Creep error (30 minutes)	0.03	±% of rated output
Zero return (30 minutes)	0.03	±% of rated output
Temperature effect on min. dead load output	0.0026	±% of rated output/°C
Temperature effect on sensitivity	0.0015	±% of rated output/°C
Compensated temperature range	-10 to +40	°C
Operating temperature range	-20 to +60	°C
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	Stainless steel	
Protection class	IP66	

All specifications listed subject to change without notice.