



### Special features

- For general purpose
- Strain gauge measuring system
- Compression
- Made of high-grade stainless steel
- Low profile, small dimensions
- Application:
  - Industry
  - Testing machines
  - Laboratory

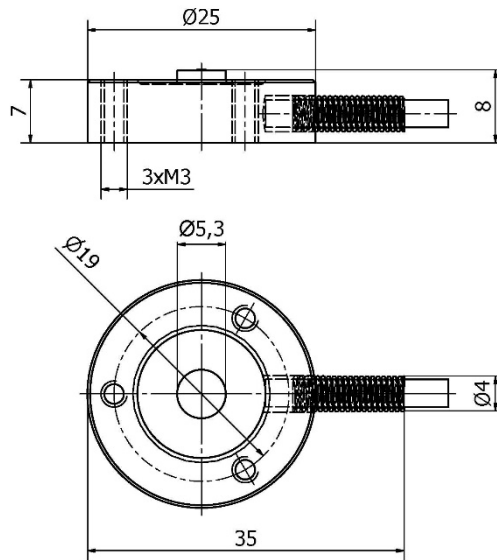
### Specifications

Rated capacity (F <sub>n</sub> )	100, 200, 500	N
Overload		
- Safe	130	% F <sub>n</sub>
- Ultimate	150	% F <sub>n</sub>
- Permanent static load <sup>1</sup>	75	% F <sub>n</sub>
- Dynamic load <sup>1</sup>	50	% F <sub>n</sub>
Nominal sensitivity (C <sub>n</sub> )	1.5 ± 5 %	mV/V
Zero balance	2	% F.S.
Non-linearity	0.5	% F.S.
Hysteresis	0.5	% F.S.
Creep (30 min)	0.1	% F.S.
Temperature effect		
- On zero	0.1	% F.S./10 °C
- On output	0.1	% F.S./10 °C
Bridge resistance		
- Input	380 ± 10 %	Ω
- Output	350 ± 5 %	Ω
Insulation Impedance	> 5000	MΩ
Excitation <sup>2</sup>		
- Recommended	5	V
- Maximal	7	V
Temperature range		
- Compensated	0 ... + 50	°C
- Operating	- 10 ... + 70	°C
Protection	IP54	
Cable		
- Type	LifYDY 4 x 0.05	
- Length	2	m

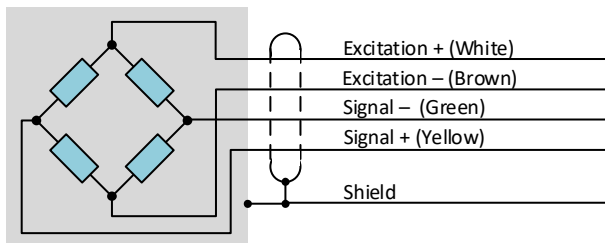
Notes:

- 1 Recommended value  
2 DC or AC Voltage

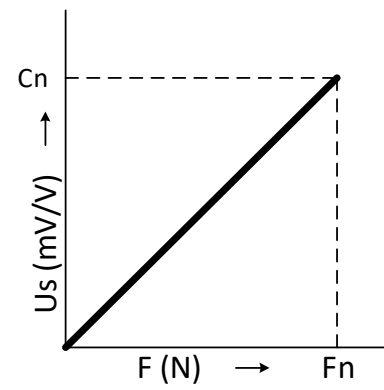
## Outline dimensions (mm)



## Wiring color code



## Sensor output characteristic

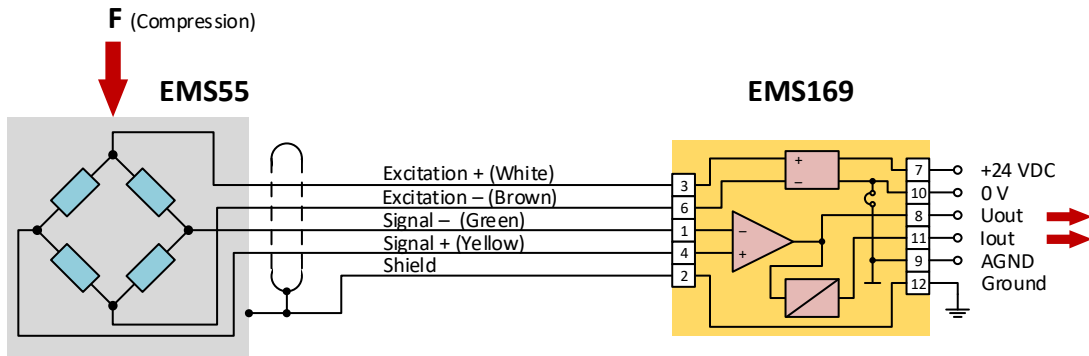


# Wiring diagram, connection example to EMS169 signal conditioner

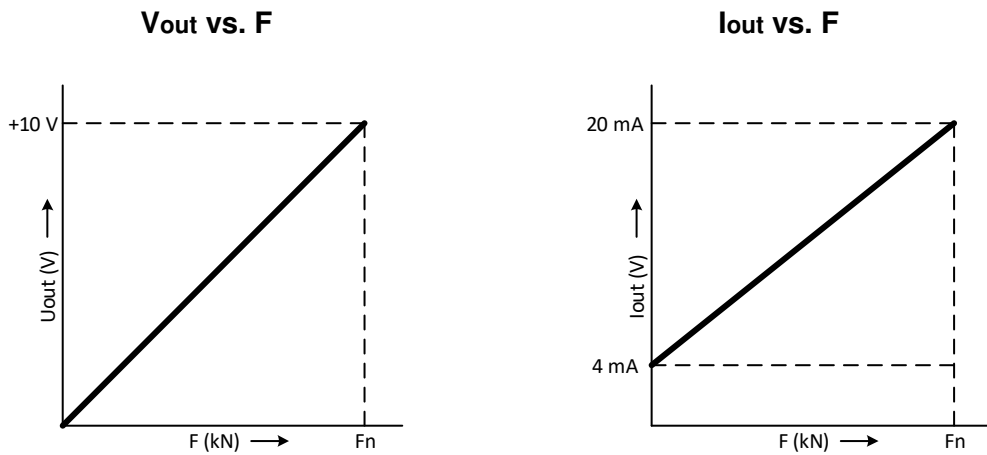
Note: The signal conditioner setting is described in the signal conditioner documentation

Load compression, signal conditioner output positive (0...+10 V, 4...20 mA)

## Wiring diagram



## System output characteristic



# Parallel wiring diagram

