



# LOAD CELLS

## PRODUCT DETAILS

### Product Description

- Aluminium Alloy material, strong stability
- High comprehensive sensitivity and compact structure
- Good long-term stability
- Mainly used for electronic scales, electronic balance, price computing scales and industrial weighing systems

### Product Applications

- Test benches for clutches
- Fatigue tests
- Crash tests
- Shock absorber controls
- Control of the efficiency of safety systems (electric windows)
- Triaxial force measurements on coupling
- Force measurements on seat belts



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## Performance<sup>1</sup>

Capacity	3,6,10,20,50,100,150,200 kg
Sensitivity	2.0 ± 10% mV / V
Zero Balance	±2% F.S.
Non-linearity	0.0166 % F.S.
Hysteresis Error	0.0166 % F.S.
Repetition	0.02% F.S.
Creep (30 min)	0.017 % F.S.
Temp. Effect on sensitivity (TKc)	0.017 % F.S. / 10 °C
Temp. Effect on zero balance (TKo)	0.02 % F.S. / 10 °C
Input Resistance	420 ± 20 Ω
Output Resistance	350 ± 10 Ω
Insulating Resistance	≥5000 MΩ / 100VDC
Excitation Voltage	5-15 V
Max. Excitation Voltage	20 V
Compensation Range	-10 ~ 40 °C
Service Temperature Range	-10 ~ 50 °C
Limit load (E L)	150% F.S.
Breaking load (E d)	300% F.S.
Cable size	φ5.2 × 1600 mm
Material (Measuring element)	Aluminum Alloy
IP Class	IP67



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