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NL 4031 X / SERIES



DIGIMATIC LOAD CELL

The **Digimatic Load Cell** is designed for calibrating compression testing machines. It consists of a high strength alloy steel sensing element fitted with precision strain gauges. When a compressive load is applied, the strain gauges detect the deformation and generate an electrical signal, which is amplified and converted into a digital load reading.

Features :

- High stability and accuracy.
- Compact design for easy installation.
- Customizable to meet specific requirements.
- Stable anti-interference signal.
- Durable high strength alloy steel construction.
- Suitable for a wide range of industrial applications

Applications :

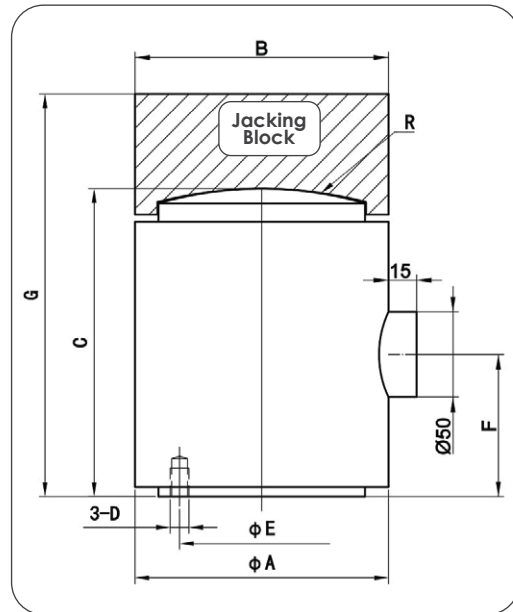
- Compression Testing Machines
- Universal Testing Machines
- Force Calibrations System
- Hydraulic Presses
- Industrial Force Measurement
- Material Testing Laboratories



Technical Specifications :

Model Number	NL 4031 X / 002N	NL 4031 X / 003N	NL 4031 X / 004N	NL 4031 X / 006N	NL 4031 X / 007N
Capacity	2000 x 0.01 kN	3000 x 0.01 kN	300 x 0.001 kN	5000 x 0.05 kN	1000 x 0.01 kN
Measurement Mode	Compression (Canister Type)				
Repeatability	0.1% F.S.				
Operating Temperature	(-10)°C - 50°C				
Material	42CrMoA Alloy Steel				
Safe Overload	150% (of Rated Capacity)				
Ultimate Overload	200% (of Rated Capacity)				
Cable Specifications	Ø5 x 3 m Length				
Approx. Weight	16 kg	30 kg	4 kg	57 kg	9 kg
Power Supply	AC Adaptor / Rechargeable Battery				
	Load Cell Dimension (mm)				
ØA (mm)	128	154	78	196	98
ØB (mm)	128	154	78	196	98
C (mm)	140	170	100	220	100
D	M6	M8	M6	M10	M6
E	100	120	55	150	75
R	200	300	100	400	120
G	180	215	125	275	140
F	70	85	47	110	55

*1 Copy of Manual Instruction



Unit Consists Of :

Model Number	Load Cell Top Cap	Handheld Force Indicator	Power Charger Adapter	Heavy Duty Carry Case	Qty
NL 4031 X / 002N	NL 4031 X / 002N – P001	NL 4031 X / LC	NL 4031 X / 004N – P003	NL 4031 X / 002N – P004	1 Unit
NL 4031 X / 003N	NL 4031 X / 003N – P001			NL 4031 X / 003N – P004	1 Unit
NL 4031 X / 004N	NL 4031 X / 004N – P001			NL 4031 X / 004N – P004	1 Unit
NL 4031 X / 006N	NL 4031 X / 006N – P001			NL 4031 X / 006N – P004	1 Unit
NL 4031 X / 007N	NL 4031 X / 007N – P001			NL 4031 X / 007N – P004	1 Unit



Parts Accessories Assembly