



Precision for your Design



LOAD CELLS

Shear Beam, S-Beam and Button Load Cells

Series

Keyfacts

Special Characteristics



KM102

Our flat one: 13 mm height is enough

- Nominal Load: From 0..30 N to 0..1 kN
- Output Signal: 1 mV/V, 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP65

- Aluminium load cell
- Calibration with test certificate
- Special designs on request



KM200

Cost-optimized sensor element for OEM applications

- Nominal Load: From 0..10 N to 0..50 N
- Output Signal: 0,6 mV/V, 2mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP65

- Aluminium load cell
- Small off center load error (typ. 0,02% / mm)



KM202

Shear Beam - very small off center load error

- Nominal Load: From 0..3 N to 0..100 N
- Output Signal: 1 mV/V, 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP65

- Aluminium load cell
- Calibration with test certificate
- Very small off center load error (typ. 0,008% / 10mm)



KM302/KT302

The price cracker:
Reasonably priced in minimum quantities

- Nominal Load: From 0..30 N to 0..2 kN
- Output Signal: 2 mV/V or 0..10 V, 4..20 mA
- Output: With or without digital amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP65 or IP64

- Cost-effective load cell
- Aluminium load cell
- Tare function included (KT version)
- RS232- / RS485-interface on request (KT version)
- Calibration with test certificate

LOAD CELLS

Series

Keyfacts

Special Characteristics



KM701

Compact Shear Beam
for capacities up to
1 kN

- Nominal Load: From 0..200 N to 0..1 kN
- Output Signal: 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP40

- Aluminium load cell
- Tight design
- Calibration with test certificate



KT701

With integrated
amplifier - perfect for
use in small sized
applications

- Nominal Load: From 0..200 N to 0..1 kN
- Output Signal: 0..10 V, 4..20 mA
- Output: With analog amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP40

- Aluminium load cell
- Compact design
- With integrated amplifier
- Calibration with test certificate



KM801

Compact Shear Beam
for capacities up to
5 kN

- Nominal Load: From 0..2 kN to 0..5 kN
- Output Signal: 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP40

- Nickel-plated steel load cell
- Tight design
- Calibration with test certificate



KT801

With integrated
amplifier - perfect for
use in small sized
applications

- Nominal Load: From 0..2 kN to 0..5 kN
- Output Signal: 0..10 V, 4..20 mA
- Output: With analog amplifier
- Direction of Force: Tension and compression
- Design: Shear Beam
- Protection Class: IP40

- Nickel-plated steel load cell
- Compact design
- With integrated amplifier
- Calibration with test certificate

Series

Keyfacts

Special Characteristics



KM1506

The small and strong one: Up to 12-fold ultimate overload

- Nominal Load: From 0..2 kN to 0..20 kN
- Output Signal: 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP65

- Up to 12-fold ultimate overload
- Tight shape, only 40mm height
- Calibration with test certificate



KM1402

The well-priced sensor for small capacities

- Nominal Load: From 0..50 N to 0..2 kN
- Output Signal: 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP65

- Well priced S-Beam sensor
- Aluminium load cell
- Calibration with test certificate



KT1402

Compact, in spite of integrated amplifier

- Nominal Load: From 0..50 N to 0..2 kN
- Output Signal: 0..10 V, 4..20 mA
- Output: With digital amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP64

- With integrated amplifier
- Tare function included
- RS232- / RS485-interface on request
- Calibration with test certificate



KM1502

The inexpensive sensor for measuring ranges up to 100 kN

- Nominal Load: From 0..5 kN to 0..100 kN
- Output Signal: 2mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP65

- Well priced force sensor
- Steel load cell
- Calibration with test certificate



KT1502

Reasonable price for high measuring ranges

- Nominal Load: From 0..5 kN to 0..50 kN
- Output Signal: 0..10 V, 4..20 mA
- Output: With digital amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP64

- With integrated amplifier
- Tare function included
- RS232- / RS485-interface on request
- Calibration with test certificate

LOAD CELLS

Series

Keyfacts

Special Characteristics



KM1101/KT1101

Easy mounting because of external threads

- Nominal Load: From 0..500 N to 0..50 kN
- Output Signal: 2 mV/V or 0..10 V, 4..20 mA
- Output: With or without amplifier
- Direction of Force: Tension and Compression
- Design: S-Beam
- Protection Class: IP64

- Very rugged load cell
- Steel load cell
- Calibration with test certificate
- Amplifier integrated (KT version)



KM1401

Accurate aluminium S-Beam force sensor for nominal loads up to 1 kN

- Nominal Load: From 0..50 N to 0..1 kN
- Output Signal: 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP40

- Aluminium load cell
- Force application by internal threads M8
- Calibration with test certificate



KT1401

Accurate aluminium sensor with integrated amplifier for nominal loads up to 1 kN

- Nominal Load: From 0..50 N to 0..1 kN
- Output Signal: 0..10 V, 4..20 mA
- Output: With analog amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP40

- With integrated amplifier
- Force application by internal threads M8
- Aluminium load cell
- Calibration with test certificate



KM1501

Accurate aluminium S-Beam sensor for nominal loads up to 10 kN

- Nominal Load: From 0..1 kN to 0..10 kN
- Output Signal: 2 mV/V
- Output: Without amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP64

- Aluminium load cell
- Force application by internal threads M12
- Calibration with test certificate








KT1501

Reliable S-Beam sensor with integrated amplifier for nominal load cells up to 10 kN

- Nominal Load: From 0..1 kN to 0..10 kN
- Output Signal: 0..10 V, 4..20 mA
- Output: With analog amplifier
- Direction of Force: Tension and compression
- Design: S-Beam
- Protection Class: IP64

- With integrated amplifier
- Aluminium load cell
- Force application by internal threads M12
- Calibration with test certificate

	Series	Keyfacts	Special Characteristics
	KMB19 Small but powerful	<ul style="list-style-type: none"> Nominal Load: From 0..100 N to 0..4 kN Output Signal: 2 mV/V Output: Without amplifier Direction of Force: Compression Design: Button Load Cells Protection Class: IP65 	<ul style="list-style-type: none"> Load cell: 100 N aluminium / 200 N and higher in stainless steel 19 mm diameter Calibration with test certificate
	KMB25 Flat button load cell for low capacities	<ul style="list-style-type: none"> Nominal Load: From 0..200 N to 0..400 N Output Signal: 2 mV/V Output: Without amplifier Direction of Force: Compression Design: Button Load Cells Protection Class: IP65 	<ul style="list-style-type: none"> Steel load cell 25 mm diameter Calibration with test certificate
	KMB31 Small sensor up to 10 kN capacity	<ul style="list-style-type: none"> Nominal Load: From 0..400 N to 0..10 kN Output Signal: 2 mV/V Output: Without amplifier Direction of Force: Compression Design: Button Load Cells Protection Class: IP66 	<ul style="list-style-type: none"> Steel load cell 31 mm diameter Calibration with test certificate
	KMB52/KTB52 Easy mounting transducer	<ul style="list-style-type: none"> Nominal Load: From 0..500 N to 0..10 kN Output Signal: 2 mV/V or 0..10 V, 4..20 mA Output: With or without amplifier Direction of Force: Compression Design: Button Load Cells Protection Class: IP66 	<ul style="list-style-type: none"> With integrated amplifier (KT version) Easy mounting by internal threads M5 Tare function included (KT version) RS232- / RS485-interface on request (KT version) Calibration with test certificate
	KMB82/KTB82 Load cell for high forces	<ul style="list-style-type: none"> Nominal Load: From 0..5 kN to 0..100 kN Output Signal: 2 mV/V or 0..10 V, 4..20 mA Output: With or without amplifier Direction of Force: Compression Design: Button Load Cells Protection Class: IP66 	<ul style="list-style-type: none"> With integrated amplifier (KT version) Easy mounting by internal threads M8 Tare function included (KT version) RS232- / RS485-interface on request (KT version) Calibration with test certificate

MEGATRON Elektronik GmbH & Co. KG is a leading German supplier of precision sensors, industrial joysticks, small plastic parts, optical components and electronic housings. Founded in 1960, MEGATRON is a family-run company based in Putzbrunn near Munich, Germany. It develops, produces and markets its own products as well as those of its longstanding international partners all over the world. MEGATRON works closely with OEM customers to develop individual and economical product solutions. A wide selection of immediately available stock items completes the portfolio.

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MEGATRON - Precision for your Design

MEGATRON has been supplying angle sensors, precision potentiometers, linear sensors, load cells, mechatronic components, industrial-grade joysticks and precision resistors for over 50 years. The product range has continuously evolved, driven forward by many customer projects, with the result that MEGATRON has been a leading provider for many years.

MEGATRON's core expertise lies in the development and implementation of individual solutions for OEM customers. The company has many years of experience gained from customer projects as well as modular product and production concepts. The product range consists of a healthy mix of in-house and externally manufactured products.

"Our most important core skill is our ability to find a solution-based, detailed and cost-effective product solution for the respective customer's application," comments Thomas Volkwein, Managing Partner of MEGATRON.