

# KERN CK 10-Y1

**KERN**

Flat miniature alloy steel load cell



Dimension (W×D×H)	34×34×4,5 mm
Material	steel, galvanized
Cable length	0,45 m
Mounting - force application	Hole Ø 5 mm
Mounting - force dissipation	4 × through hole Ø 3,1 mm

## Functions

IP protection - complete device	IP66
---------------------------------	------

## Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	60 °C
Ambient temperature [Min]	-20 °C
Ambient temperature [Max]	50 °C
Storage temperature [Min]	-30 °C
Storage temperature [Max]	60 °C

## Packing & Shipping

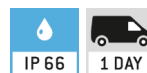
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	90×90×20 mm
Net weight	0,06 kg
Shipping method	Parcel service
Net weight approx.	0,10 kg
Gross weight approx.	0,10 kg
Shipping weight	0,1 kg

## Services (optional)

Article number for DAkKS calibration (compressive force)	963-261V
--	----------

## Pictograms

### STANDARD



## Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CK Y1

## Measuring System

Weighing capacity [Max]	10 kg
Load cell connection	4-wire
Load cell OIML class	C1
Load cell - characteristic value - nominal	1 mV/V
Load cell - characteristic value - variance	0,2 mV/V
Load cell - Combined error	0,05%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	1000 Ω
Load cell - Output resistance - nominal	1000 Ω
Load cell - Isolation resistance - [Min]	2000 MΩ
Load cell - Recommended excitation voltage [Min]	3 V
Load cell - Recommended excitation voltage [Max]	10 V
Load cell - Input resistance - variance	10 Ω
Load cell - Output resistance - variance	10 Ω
Directions of force	compression

## Approval

CE mark	✓
---------	---

## Construction

Design	Miniature bending beam
--------	------------------------