

# Load cell series KS

**Force from 0 ... 10kg up to 0...100t**

## Features

- DMS-strain-gauge, bridge resistance 350/700 Ω
- Output signal 2mV / V, exact sensitivity on the type plate
- Accuracy 0.2%
- Repeatability ± 0.07%
- Bridge supply max. 20V DC, recommend 10V DC
- Zero unbalance <2%
- Operating temperature -15 ... 75°C
- Maximum overload 150%
- Connection cable 2m
- Protection IP65



Order code: KS -  1. -  2. -  3.

1. Model	Measuring range	Bridge resistance
01	10 / 20 / 50 / 100 / 200 / 500kg	350Ω
02	1 / 2 / 5t	350Ω
03	5 / 10t	350Ω
04	20 / 50 / 100t	700Ω

**2. Measuring range [kg or t]**  
please state in clear text

**3. Options**  
0 without option

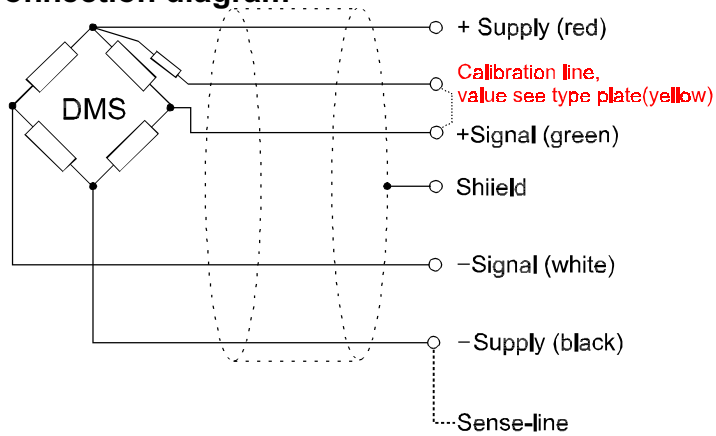
Note! For correct mounting it is necessary to use mounting saddles.

### Accessories

Mounting saddle  
 MS-01 for model 01  
 MS-02 for model 02  
 MS-03 for model 03  
 MS-04 for model 04

Connection diagram and dimensions see next page.

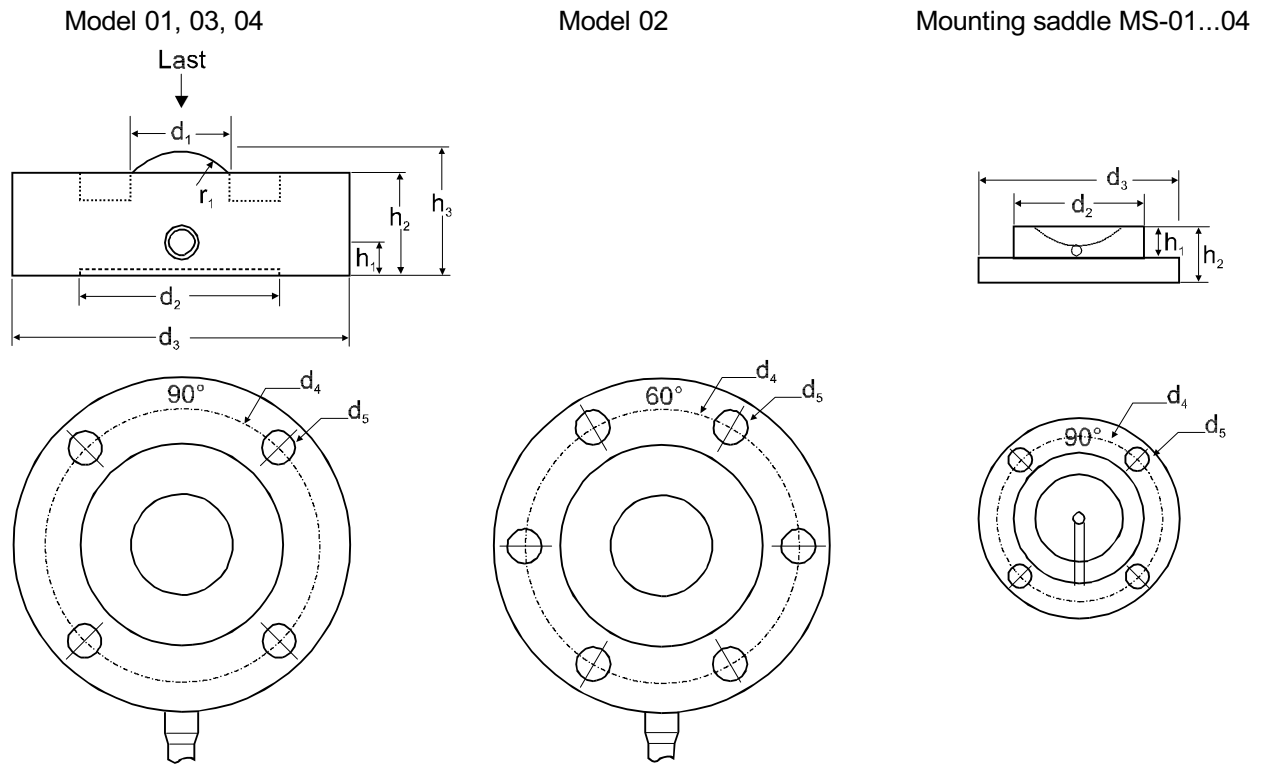
## Load cell series KS Connection diagram



Bridge supply max. 20V DC  
recommend 10V DC

The sense line is used to compensate line resistance from load-cell to panelmeter DMS9648.  
For distances more than 2m it is recommended to use the sense line

## Dimensions



Dimension table [mm]

Model	∅d1	∅d2	∅d3	∅d4	∅d5	h1	h2	h3	r1	N
1	10	60	78	69	4.5	9.5	27	29	7	4
2	20	70	99	85	6.5	9.5	27	31	15	6
3	30	80	118	98	8.5	9.5	35	42	20	4
4	72	122	177	149	16.5	13	55	78	40	4
<b>Mounting saddle</b>										
MS-01	-	16	38	27	4.5	9	15	-	-	4
MS-02	-	40	78	60	8.5	15	25	-	-	4
MS-03	-	40	78	60	8.5	15	25	-	-	4
MS-04	-	110	144	149	16.5	33	50	-	-	4