

# SPD Series Single Point Load Cells



## Standard Features

---

- OIML approved
- Precision class C3
- Compensate for off-centre loads
- Aluminium alloy structure
- IP66 protection rating
- Max. capacity from 3 kg to 75 kg, up to 200 kg on demand
- For weighing surfaces and weighing belts up to 350 x 350 mm in size
- Shielded connection cable

Ideal for applications up to 100,000 divisions (in combination with Dini Argeo "X-CORE" electronics)

---

**CAPACITY (kg):** 3, 5, 10, 15, 20, 35, 75 (up to 200 kg on demand).

---

**Aluminium alloy.**

---

**IP66** protection.

Dynamic off-centre load cells, suitable for fast and responsive weighing systems with load surface up to a maximum size of 350 x 350 mm.

## Specifications

---

**Sensitivity:**

2 ±0.2 mV/V

**Zero balancing:**

±0.1 mV/V

**Maximum size of the weighing area:**

350 x 350 mm

**Thermal compensation:** -10°C/+40°C

**Working temperature range:**

-30°C/+70°C

**Maximum tolerated power voltage:**

15 Vdc

**Input resistance:**

406 ±15 Ohm

**Output resistance:**

350 ±3 Ohm

**Insulation resistance:**

>2000 MOhm

**Maximum static load:**

150% F.S.

**Breaking load:**

300% F.S.

**Shielded cable:**

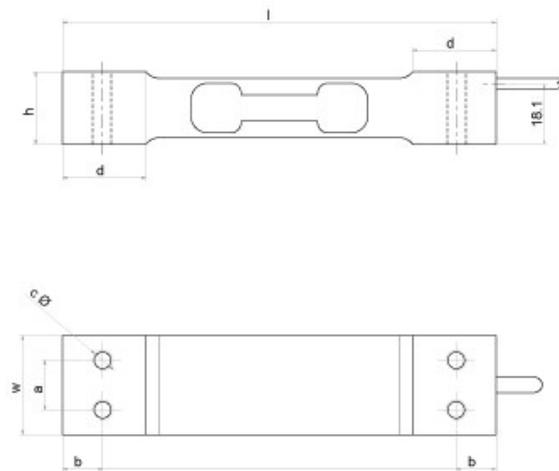
4-pole shielded cable, length 3 m, diameter 3.8 mm with black PVC sheath.

## Wiring Code

---

<b>Load Cell Connections</b>	
<i>Color</i>	<i>Function</i>
YELLOW	SCREEN
WHITE	SIGNAL +
BLUE	POWER +
RED	SIGNAL -
NERO	POWER -

# Dimensions



Code	Max (kg)	Plate Max (mm)	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)	c Ø (mm)	d (mm)
<b><u>SPD3</u></b>	3	350x350	130	24	22	15	12	N°4 M6	25
<b><u>SPD5</u></b>	5	350x350	130	24	22	15	12	N°4 M6	25
<b><u>SPD10</u></b>	10	350x350	130	30	22	15	12	N°4 M6	25
<b><u>SPD15</u></b>	15	350x350	130	30	22	15	12	N°4 M6	25
<b><u>SPD20</u></b>	20	350x350	130	30	22	15	12	N°4 M6	25
<b><u>SPD35</u></b>	35	350x350	130	30	22	15	12	N°4 M6	25
<b><u>SPD75</u></b>	75	350x350	130	30	22	15	12	N°4 M6	25

## Available Versions

Max (kg)	Plate Max (mm)	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)	c ø (mm)	d (mm)	Code
3	350x350	130	24	22	15	12	N°4 M6	25	SPD3
5									SPD5
10	350x350	130	30	22	15	12	N°4 M6	25	SPD10
15									SPD15
20									SPD20
35									SPD35
75									SPD75

### Special Version

Max (kg)	Plate Max (mm)	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)	c ø (mm)	d (mm)	Code
20	350x350	130	25	22	15	12	N°4 M6	25	SPD20-1

## Parts

### Part # Description

#### Available Versions

**SPD3** Single point load cell, Max=3kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD5** Single point load cell, Max=5kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD10** Single point load cell, Max=10kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD15** Single point load cell, Max=15kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD20** Single point load cell, Max=20kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD20-1** Single point load cell, Max=20kg, load cell body width of 25mm in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD35** Single point load cell, Max=35kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.

**SPD75** Single point load cell, Max=75kg in aluminium alloy, IP66 protection rating, 350 Ohm output resistance.