

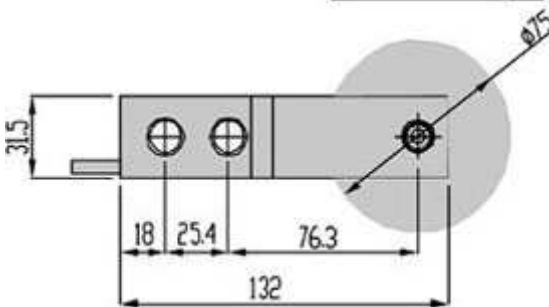
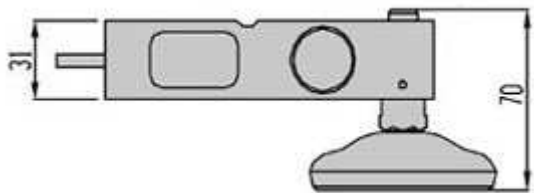
## PLK1KL SERIES" CELL KITS FOR ASSEMBLING FLOOR SCALES



For creating platforms with four load cells of various sizes and capacities suitable for connection to any type of indicator for load cells. The kit is made up of four "SBK-1KL" IP68 stainless steel, approved load cells, together with stainless steel adjustable resting feet and an IP67 ABS junction box with 5 cable glands and an internal equalisation board.

### MAIN FEATURES

- Load cells:
  - C3 precision class
  - Made in 17-4 PH STAINLESS STEEL with laser welding
  - IP68 protection against dust and water.
  - Capacities from 500 to 2000 kg (for each cell)
- Resting feet adjustable in height:
  - Structure in STAINLESS steel
  - Anti-slip rubber
  - Ipersanitizable
- Junction box:
  - Built-in junction and equalisation board
  - IP67 protection from dust and water
  - 5 Fairleads



Dimensions (mm)

### LOAD CELL TECHNICAL FEATURES

- Minimum load cell verification interval:  $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals:  $n_{LC} = 3000$
- Combined error: 0,017% of Full Scale Output (F.S.)
- Full Scale Output: 2mV/V +/- 0.1%
- Temperature effect on zero: 0,0014% /°C
- Temperature effect on full scale output: 0,0014% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 30 minutes: 0,024% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- **Input Resistance: 1100 ± 50 Ohm**
- **Output Resistance: 1000 ± 10 Ohm**
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: >200% F.S.
- 6-wire screened cable, 5m long, 5 mm diameter

SBK-1KL Wiring Code	
Colour	Function
--	SHIELD
YELLOW	OUTPUT +
GREY	SENSE +
BROWN	INPUT +
WHITE	OUTPUT -
GREEN	INPUT -
PINK	SENSE -

### EXTRAS AVAILABLE AT TIME OF ORDER

- OIML R60 certificate (without surcharge)
- WELMEC module for approving the system (with surcharge)
- ATEX Certification (with surcharge)

### Available models

Code	Total contents
PLK1KL405C3	4 SBK-1KL <b>500kg</b> Load Cells + 4 feet + 1 J.Box
PLK1KL410C3	4 SBK-1KL <b>1000kg</b> Load Cells + 4 feet + 1 J.Box
PLK1KL420C3	4 SBK-1KL <b>2000kg</b> Load Cells + 4 feet + 1 J.Box

## Accessories

Code	Description
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).
CCATEX	ATEX certificate for each load cell for the following categories: II 1G EExia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) II 1D tD A20 TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C).
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.