DINI ARGEO
Scales - Weighing systems

# PLX1K

## PLX1K SERIES' CELL KITS FOR ASSEMBLING FLOOR SCALES



Ideal for creating platforms with four load cells of various sizes and capacities, connectable to any type of weight indicator. The kit is made up of four "SBX-1K" IP68 STAINLESS STEEL load cells, CE-M approved, together with hypersanitizable adjustable resting feet and an IP67 ABS junction box with a built-in equalisation board.

The best solution
for advanced industrial
applications

## 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

## LOAD CELL TECHNICAL FEATURES

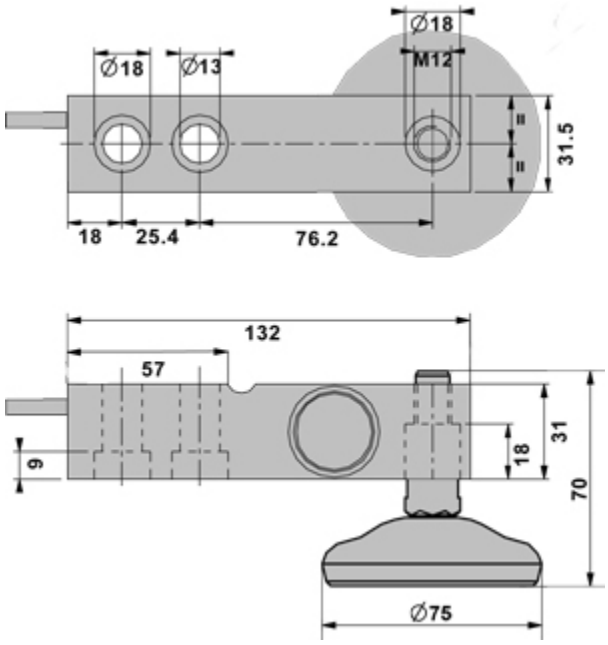
- Minimum load cell verification interval: Vmin = EMax / 10.000
- Maximum number of verification intervals: nLC = 3000
- Combined error: 0,017% of Full Scale Output (F.S.)
- Full Scale Output: 2mV/V +/- 0.5%
- Temperature effect on zero: 0,002% /°C
- Temperature effect on full scale output: 0,002% /°C
- Compensated Temperature Range: -10°C/+50°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 30 minutes: 0,02% F.S.
- Maximum tolerated excitation voltage: 15 Vdc
- Input Resistance: 1100 ± 20 Ohm
- Output Resistance: 1000 ± 20 Ohm
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 300% F.S.
- 6-wire shielded cable, 5m long, 5 mm diameter

## EXTRAS AVAILABLE AT TIME OF ORDER

- Test certificate (available upon request)
- WELMEC module for approval of the system for PLX kit (connected to Dini Argeo indicator)
- ATEX Certification (CCATEX OPTION)

## DIMENSIONS - STANDARD CABLE DECODING

- Dimensions in mm:




- Decoding of the standard cable colours:

| Colour | Function |
|---|---|
| -- | SHIELD |
| YELLOW | OUTPUT + |
| GREY | SENSE + |
| BROWN | POWER SUPPLY + |
| WHITE | OUTPUT - |
| GREEN | POWER SUPPLY - |
| PINK | SENSE - |

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