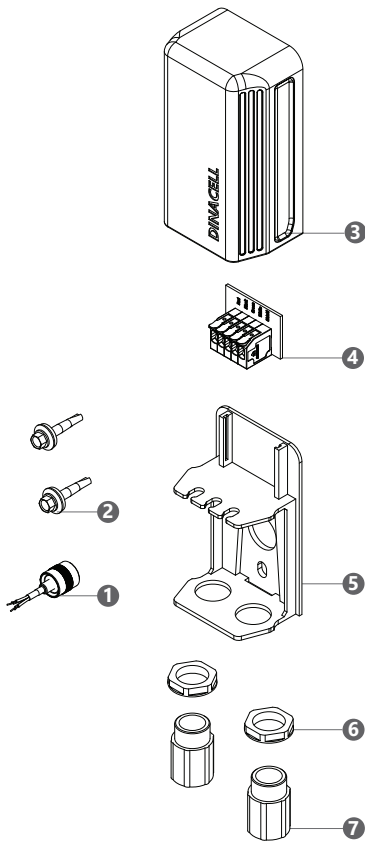


### 1.1 Product description

Our SD-1000 sensors allow the measurement of the load level in large tonnage silos.

### 1.2 Elements for installing the SD-1000



#### Items included

- (1) SD-1000 Sensor
- (2) Self-tapping screws
- (3) Box cover
- (4) Connector + PCB
- (5) Box base
- (6) Nut
- (7) Fitting

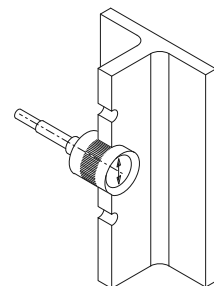
#### Items NOT included

- Corrugated tube (Sold in meters separately)
- Cell cable (Four-wire cable with mesh for connection between sensors. Sold separately in meters)
- Tool SD-1000 (Sold separately)
- Tin and tin welder
- Wire stripper

### 1.3 Installation step by step

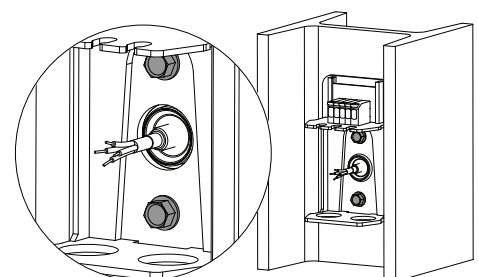
#### 1 Installation of sensors

The installation consists of embedding the sensors in the supports or legs of the silos, allowing the detection of micro-deformations produced in the structure due to the load. Pre-position the SD-1000 sensors to be used. To do this, it is necessary to use the specific tool for this sensor. The tool manual indicates how and where the sensors should be placed and the installation requirements.



#### 2 Fixing the base of the box

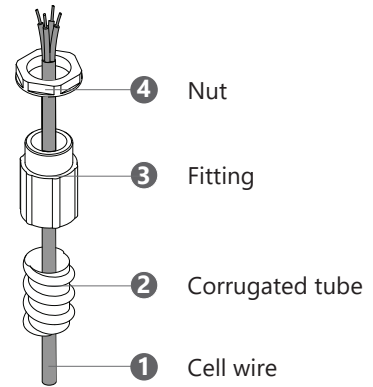
Once the sensors are installed, you must place the base of the box, pulling the SD-1000 sensor cable through the central hole. Put the washers on the self-tapping screws and fix the box with them.



**3****Cabling**

Measure and section the meters of corrugated tube and cable necessary to make a parallel connection between all the sensors and the measurement equipment.

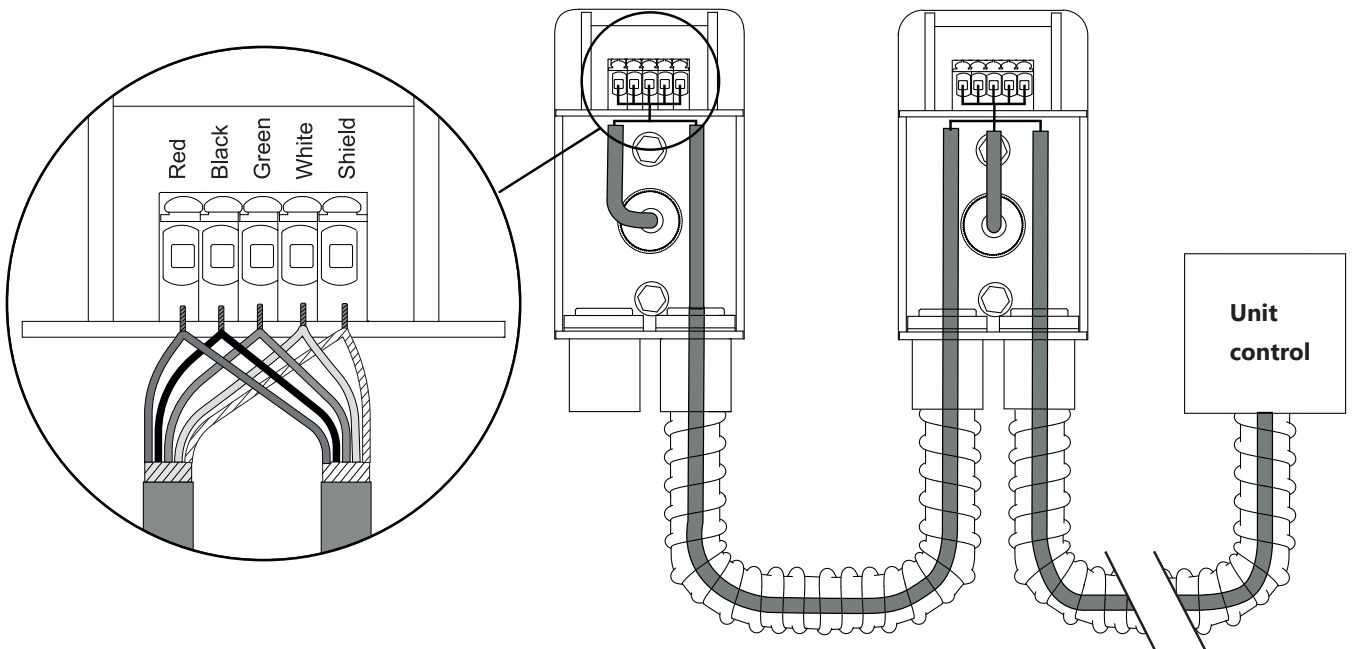
You will need to put the cable (1) inside the corrugated tube (2). Place the union (3) at the end of the tube, and fit into one of the lower holes in the box. Holding the union, tighten the nut (4) on the inside of the box.

**4****Wiring**

Join the threads by colors by rolling them up, and later soldering them with tin.

Finally insert each wire into the connector as shown in the image below.

The connection with the equipment will be indicated in the manual of said equipment.

**5****Cap Placement**

Lastly, you will need to cover the connections with the box cap.

