

MAFA Silo weighing

- material inspection

MAFA Silo weighing

MAFA Silo weighing gives you the best and most secure way of checking delivered material and consumption.

Silo weighing

A unit for silo weighing consists of load cells incl. pressure plate, junction box, attachment for silo foot and read-out display to show the weight in kg. The read-out display is supplied in a simple or industrial design.

Complete weighing unit for 1-12 load cells (leg).

A screened 4-wire is taken from the instrument to the junction box where the load cells are connected in parallel. The instrument is usually supplied pre-calibrated for the application according to information on tare and maximum weights. A simple zero adjustment of the dead weight might be needed for empty silos if the dead weight is not known or estimated.

Weighing of silos is entirely independent of the material's properties. The material's angles of repose, high pressure, temperatures or vacuum do not affect the measurement. For weighing wood pellets, powders and granulate a load cell is recommended under each leg.



Load cell with pressure plate.



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Technical data and installation



Load cells for silo weighing 500 kg to 20 tonnes/cell

Small in size. Low construction height.
Compact construction in nickel plated steel.
Alternatively in stainless steel (option).
Enclosure IP68.
Max. load per cell: 0.5, 1, 2, 5, 10 or 20 tonnes.
Several different mounting accessories are available in the range.



Industrial instrument LCA-II

2-line alphanumeric LCD display.
Backlighting.
Dust- and moisture-proof buttons.
Tare function.
Auxiliary device RS232/485.
Alarm: 2 relay outputs (2A) programmable.
Analogue output signal 4-20 mA/0-5V.
Cabinet: Lacquered aluminium IP65, 15x24x6 cm.



Simple instrument LCD-EI

Display with large, clear figures.
Backlighting.
Dust- and moisture-proof buttons.
Tare function.
RS485 auxiliary device.



Junction box

Junction box for connection of up to 6 load cells.
For 7- 12 load cells 2 junction boxes are used.
The load cells are connected in parallel in the junction box, a screened 4-wire is taken from the box to the weighing instrument.

A range of different mounting accessories are available to facilitate installation of the load cells.

Further information about MAFA's Silo weighing is available at www.mafa.se



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