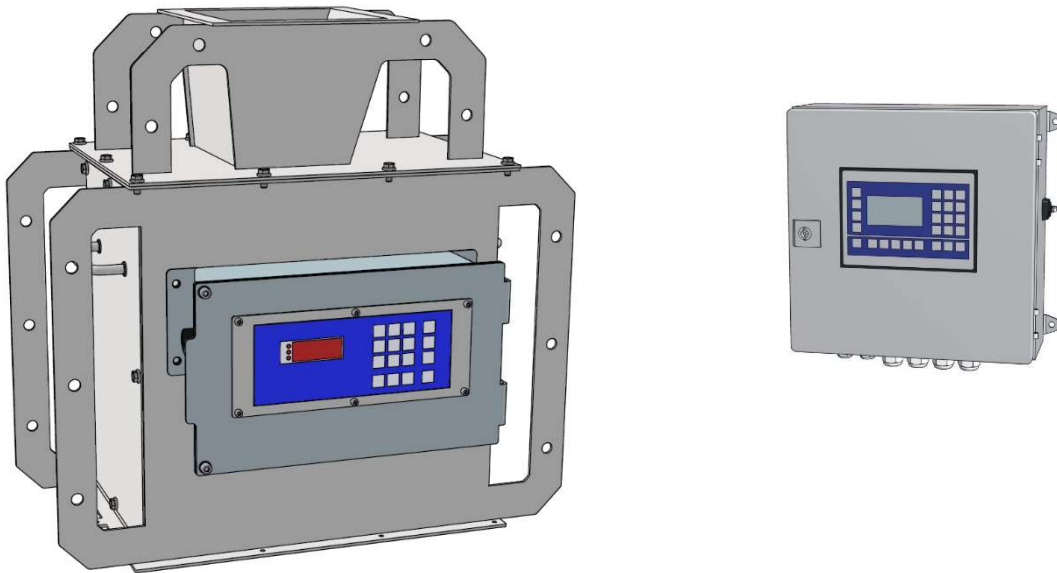




## FLOW WEIGHER DC4

Dynamic measurement of flow capacity and total weight



### Overview

- Accurate flow weighing system with low installation height
- Reliable and robust system with low maintenance
- Applicable for a wide range of grain, feed, bran, flour, pellets and extractions

### Applications

The *Flow Weigher DC4* is suited for the following applications:

- Continuous weighing of bulk flow for in-plant control purpose
- Pre-weighing of bulk for truck loading processes
- Measurement of entry/discharge amounts for silo management

The *Flow Weigher DC4* continuously weighs the bulk flow.

### Function

The bulk is fed into a curved plate, which is specially designed for a wide product range. The plate is connected with a load cell. The measured force is proportional to the throughput.

### Applied products

A wide range of products can be measured, e.g. grain, pellets (standard inlet)

and feed, bran, flour, soya, bruised grains, and extractions (with feeding screw).

## Construction

The *Flow Weigher DC4* consists of steel housing, sensing plate, load cell and evaluation electronic. The housing is dust-tight.

## Sizes

Type	Inlet size	Max. capacity approx.
DC4-A250.DN120/45 DC4-A250.DN120/0	Round, 120 mm	20 m³/h
DC4-A250.DN150/45 DC4-A250.DN150/0	Round, 150 mm	35 m³/h
DC4-A250.SO	Rectangular	(see datasheet)
DC4-A450.DN200/45 DC4-A450.DN200/0	Round, 200 mm	75 m³/h
DC4-A450.DN250/45 DC4-A450.DN250/0	Round, 250 mm	133 m³/h
DC4-A450.SO	Rectangular	(see datasheet)
DC4-A660.DN300/45 DC4-A660.DN300/0	Round, 300 mm	200 m³/h
DC4-A660.DN400/45 DC4-A660.DN400/0	Round, 400 mm	300 m³/h
DC4-A660.SO	Rectangular	(see datasheet)

The housing is supplied in stainless steel.

(\* transition to round optionally available)

## Mechanical integration

The weigher must be installed horizontal alignment. Inlet and outlet are supplied with flange (rectangular) or flared tube end (round). In case of vibrations the inlet or outlet must be uncoupled by rubber sleeves. Air flowing through the weigher due to pressure differences must be prevented. Multiple pipe inlet not allowed.

## Accuracy

The measuring tolerance lies at +/- 0,5 – 1 %\*\*, depending on feed design, product homogeneity and throughput.

## Evaluation electronic

- Available for integrated (type FE730) or external evaluation (type FE128)
- With display and keypad
- Display of capacity and totalizer
- Preselection function, after expiry of a desired amount, an output is switched
- Output of kg-pulses
- Analogue output of capacity (0-10 V), 4-20mA optionally
- RS232/485-interface, Modbus RTU, fieldbus interfaces optionally (Profibus DP, Profinet I/O, Modbus TCP, Ethernet/IP)

*Due to our policy of continuous development, given specifications and data are subject to change.*

*\*\*Related to working range of 20-100% of maximum capacity. Variations may occur caused by wrong feed pipe design, product inhomogeneity and extern disturbing sources.*