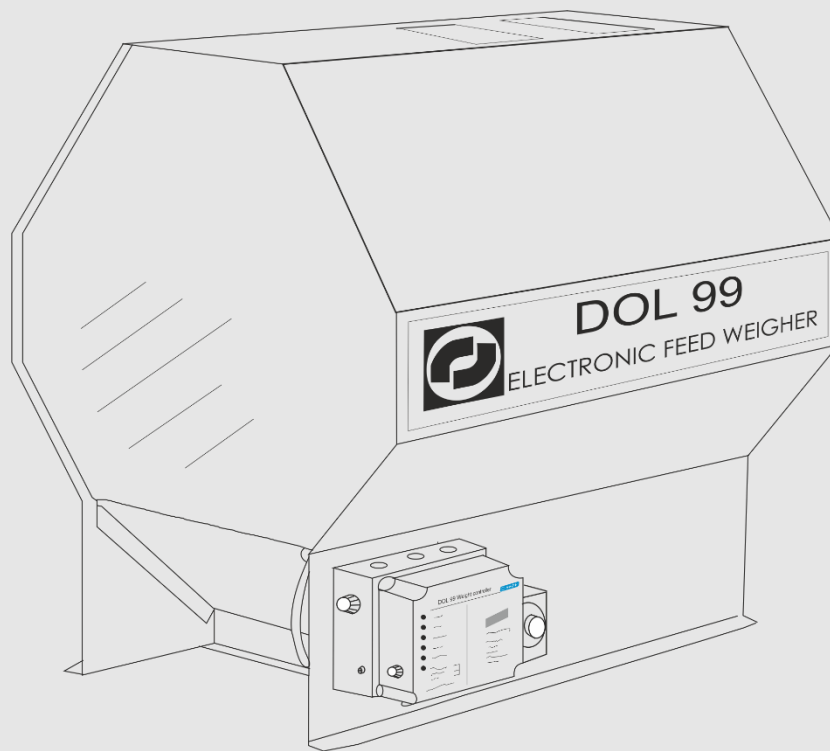


DOL 99A Feed Weigher

Technical Info



1 Product description

The DOL 99A feed weigher consists of dustproof housing with feed supply at the top and discharge at the bottom. Inside is a rotatable weighing drum suspended from two load cells. By feed discharge, the drum rotates once by means of a gear motor. A microcomputer controls the weigher and stores the quantity of feed weighed.

The control unit has a four-digit display, 6 pilot lamps, a display switch, and an adjustment knob. The position of the display switch determines what is to be shown on the display, including weight indications – grams, kilos, and tons. The 6 pilot lamps indicate the present function of the weigher.

DOL 99A

DOL 99A can be used in any feeding system for accurate monitoring. The quantity of feed weighed is stored in the protected memory of the microcomputer. Weighing impulses for external monitoring, e.g., by DOL controllers or by PLC units, will also be given.

DOL 99A is especially convenient for broiler houses and other houses with restricted feeding. If DOL 99A is connected to a time clock, the weigher can, on a contact signal, weigh out a preset quantity of feed between 5 and 2000 kg.

Description of function

The required quantity per weighing can be set between 10 and 30 kg. The microcomputer controls the entire weighing process:

- 1) Calculation of tare weight
- 2) Start of filling
- 3) Stop of filling
- 4) Calculation of gross weight
- 5) Discharge of weighing drum
- 6) Calculation of net weight
- 7) Activation of impulse relay, one impulse per 10 kg
- 8) If the weigher is inactive for more than 5 minutes, the drum turns upside down.

Alarm functions

As an extra safeguard, DOL 99A can be connected to an alarm system. The alarm relay is activated in case of power failure and if there is a malfunction in the feed supply or gear motor. DOL 99A will also raise the alarm if there is a lack of feed during restricted feeding.

Installation/connection

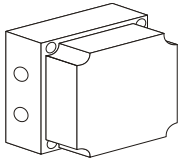
The weigher should be installed separately between the feed supply auger and the hopper feeder and precautions should be made against vibrations from the feeding system.

The weigher should be connected to 230V ac and ground. To start the weighing cycle a 230V ac feed demand signal is required. Inputs are available for resetting the memory of the weigher and for connection of time clock.

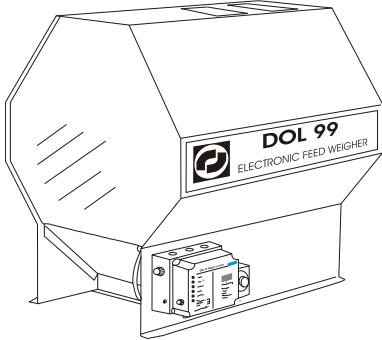
2 Product survey

DOL 99A feed weigher

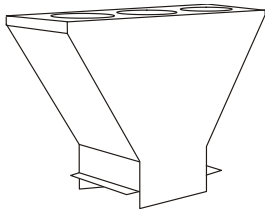
130322 DOL 99 remote control unit



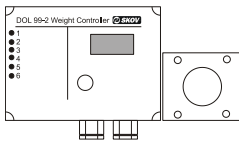
130300 DOL 99A feed weigher



132651 Inlet funnel for feed weigher 3 comp.



132653 DOL 99B upgrade from DOL 99



3 Technical data

Suitable for	Grain, flour, mash, crumbs and pellets
Capacity	Up to 4500 kg/hour (30 kg/batch)
Accuracy	During 1 year: 0.5%
Adjustments	0 kg and 20 kg for calibration Quantity per weighing 10-30 kg RESTRICTIVE feeding 1-2048 kg

Electrical

Nominal voltage	220V/240V
Voltage range	180-276V
Nominal frequency	50/60 Hz
Frequency range	45-65 Hz
Consumption	6W (86W)
Thermal circuit breaker	Built-in
Transient protection:	
On mains input, COMMON MODE	Level IV 4kV 50 μ S
On mains input, DIFFERENTIAL MODE	Level IV 4kV 50 μ S
On all inputs, CAPACITANCE COUPLING	Level III 2kV 50 μ S
Outputs	Control of feed supply 220V/5A Weight pulses potential free contact 220V/5A Alarm potential free contact 220V/5A
Inputs	Feed requirement 220V 1VA Timer with potential-free contact Resetting via pushbutton

Environment

Ambient temperature	+10 °C - +45 °C at nominal cond. \pm 10 % (50 -113 °F)
Ambient temperature, store	-25 °C - +60 °C (13 -140 °F)

Shipping

Material	Plate housing and drum: Alu-zinc
Dimensions	H: 620 mm, L: 670 mm, W: 500 mm
Volume	0.2 m ³
Weight	32 kg

Dimensioned sketch

