CKW 410 LOG
Logistic checkweigher

PRECIA MOLEN™
WORLDWIDE WEIGHING

Operator interface

User-friendly I410 terminal including a backlit graphic screen and a 10-function key keyboard.

The terminal is available in 2 versions:

▼ I410 D to be integrated in a remote box or cabinet

▼ I410 D-S in an IP66 stainless steel box mounted on the conveyor by a column.

Presentation

The CKW 410 LOG checkweigher is designed for the weight acquisition of automatically conveyed products as well as the transmission of this information to a PLC-type or management PC external device.

Its robust design and its measurable load capacity makes it particularly adapted to logistics.

▼ Dynamic or static weight measurement.

▼ Tolerance check.

▼ Missing product check.

▼ Order compliance check.

▼ Transport fee estimation.

▼ Legal for trade or non trade use.

▼ Field bus or serial mode communication.

▼ Eased integration into the handling line.

▼ Available in standard version or stainless steel version.

Mechanical build

▼ PVC belt: 400 or 600 mm length on slider bed.

▼ Length: 800, 1000 or 1200 mm.

▼ Height: 700 or 800 mm +/-50 mm fine adjustment.

▼ 50 Hz speed: 30 m / min (adjustable by frequency inverter).

▼ Maximum pace: 60 parcels per minute.

▼ Balanced bi-conical Ø 80 motor drum.

▼ Balanced bi-conical Ø 50 rear drum.

▼ Mounting on 4 stainless steel load cells.

▼ Weight measurement cell.

▼ Painted or stainless steel build.

Electrical cabinet

Painted or IP66 stainless steel box including:

▼ Main power breaker.

▼ Powered indicator.

▼ Emergency stop.

▼ Conveyor forced operation switch.

▼ Connection with terminal via gland.

European conformities

▼ 2006/42/EC directive related to machines.

▼ 2004/108/EC directive related to electromagnetic compatibility.

▼ 2006/95/EC directive related to low voltage equipment.

Metrological approval

▼ Certification according to MID 2004/22/EC directive as XIII(1) and Y(a) classes checkweigher.

Environmental characteristics

▼ 90 - 230 V 50 - 60 Hz single-phased power supply.

▼ Maximum consumption: 0,5 kW.

▼ IP65 protection.

▼ Use temperature: +5ºC / +40ºC.

▼ Storage temperature: +15ºC / +30ºC.

Integration into the handling line

Digital input/output terminal that can be easily integrated to the handling line.

48 V DC / 100 mA outputs
- Checkweigher operating.
- Upstream conveyor monitoring.
- Alarm etc…

8-30 V DC / 7.5 kΩ inputs
- Cycle start.
- Checkweigher stop.
- Forced operation.
- Upstream conveyor cell, etc…

PLC/PC communication

In connected mode, it offers the PLC or PC a complete check of the checkweigher and the retrieval of weight data for each product.

▼ RS232/RS485 serial link, slave or PM master MODBUS RTU protocol.

▼ Profibus, DeviceNet, Ethernet Modbus TCP, Ethernet/IP ou Profinet field buses.

In non connected autonomous mode, the retrieval of weighing data onto a USB memory stick can be done via a USB port.
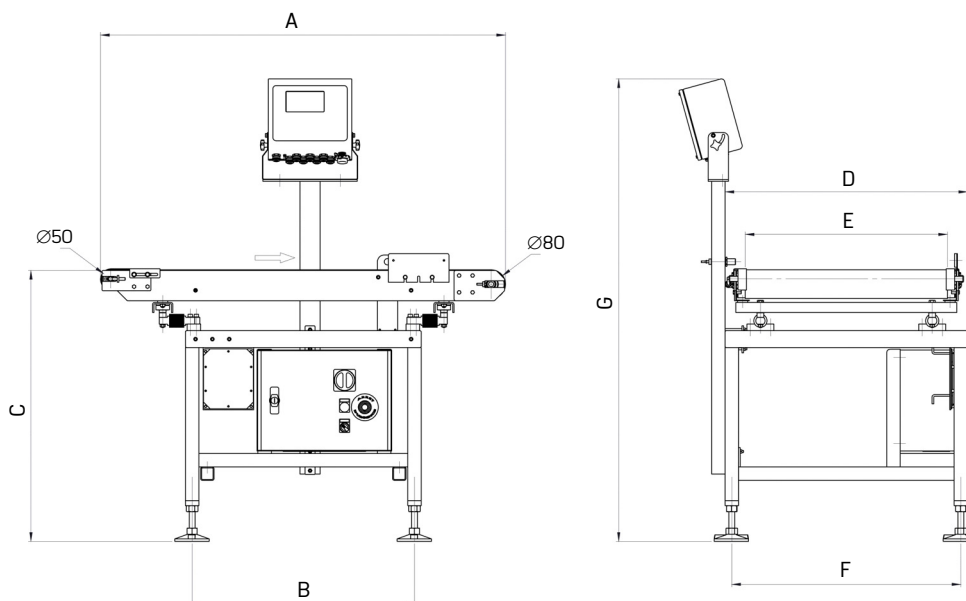
Standard range

A (mm Ov*)	B (mm CC**)	C (mm)	D (mm Ov)	E (mm)	F (mm CC)	G (mm)	Capacity (kg)	Presentation
800	660	700/ 800 ±50	520	400	480	1275 ±50	30 or 60	standard or SS
1000	660	700/ 800 ±50	520	400	480	1275 ±50	30 or 60	standard or SS
1200	660	700/ 800 ±50	520	400	480	1275 ±50	30 or 60	standard or SS
800	660	700/ 800 ±50	720	600	680	1375 ±50	30 or 60	standard or SS
1000	660	700/ 800 ±50	720	600	680	1375 ±50	30 or 60	standard or SS
1200	660	700/ 800 ±50	720	600	680	1375 ±50	30 or 60	standard or SS

Overall.
** Centre-to-centre distances.

Stainless steel version: Platform, Housing, Drums and Electrical cabinet in 304L stainless steel. Belt quality designed for food industry.

Dimensions

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