



Product Description

The W&M approved FlintWeigh Scale Interface is a key component to integrate a Weighing System into your PC system.

Scales with RC3D Digital Load Cells and FlintWeigh PC Weighing System do not require any separate weight display.

The load cells are connected via the intelligent RS485/USB- Converter directly into the PC system.

The Flintweigh-Software for the PC system is an OCX-Module with an Active-X-Control Interface. The approved Weight Display on the PC Monitor shows the actual weight and the approved Alibi Memory is stored on the hard disk.

A remote display and traffic light/barriers can be connected to the system.

Two scales can be connected with functions:
Scale 1 / Scale 2 / Scale 1+2.

Set-up, calibration and after sales service are very easy with all required information on the PC monitor.

The Flintec supply incorporates: the FlintWeigh Scale Interface (Converter RS485/USB), approved FlintWeigh PC software and FlintWeigh Basic Weighbridge application software.

Key Features

- EU Type approved for 10 000 intervals
- Single range or multi range or multi interval
- RC3D connection
- Approved weight display on PC monitor
- Approved alibi memory on PC hard disk
- Two scales can be connected
- Digital I/O for traffic lights and barrier
- Interface for remote display

Option

- Analogue load cell connection: instead of digital load cells type RC3D you connect one of the digital amplifiers type LDU 68.1 or LDU 69.1 or LDU 78.1 within the digital junction box type KAL-4

Specifications

GENERAL

Scale interface box	Interface with non-volatile memory for system parameters and calibration data
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ACCURACY

Accuracy Class	III
EU Type approved	EU type approval 10 000 intervals (single range) or n x 3 000 intervals (multi range / multi interval)

DISPLAY AND KEYBOARD

Display	Approved PC-Weight Display on PC monitor (Active-X-Control)
Resolution	Selectable up to 99 000 counts (in accordance with regulations)
Status annunciators	Net mode, No Motion, Max. and Min., e, Scale no.
Keyboard	The standard PC keyboard is used

INTERFACE TO DIGITAL LOAD CELLS / DIGITAL JUNCTION BOX

Communication & protocol	RS-485 half duplex (baud rate 9 600...38 400 / E7,1 or 8N,1), compatible with type RC3D load cell OR type LDU 68.1/69.1/78.1 Load Cell Digitizing Unit
Excitation / Power supply for LDU	12 V DC, max. 450 mA
Number of load cells / digital junction boxes	Max. 16 digital load cells (max. 10, if directly powered) OR max. 2 digital junction boxes with LDU
Connection to load cells / LDU	4-wire technique, 2 wires for digital interface and 2 wires for electrical power

SCALE CALIBRATION AND FUNCTIONS

Calibration	Calibration performed by FlintWeigh software
Weighing functions	Zero, tare, gross, motion detection, zero tracking (Active-X-Control)

COMMUNICATION

Interface to PC	USB 2.0
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DIGITAL I/O

Input / Output	1x opto-isolated input (24 V), 2x opto-isolated output (open collector, 24 V DC, max. 50 mA)
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POWER SUPPLY

Power requirements	12 V DC, 1.5 A – Power consumption depends on number of connected load cells / digital junction boxes
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ENVIRONMENT AND ENCLOSURE

Operating temperature & Humidity	-10 to +40 °C, 40 to 90% RH (non condensing)
Storage temperature	-10 to +70 °C
EMC	According to OIML R76 and EN 45501 requirements
Enclosure	Aluminium housing (protection IP40), installed in the direct vicinity of the PC system

PC SYSTEM REQUIREMENTS

Requirements	Windows XP – graphic resolution 1 024 x 768 pixels or higher – USB Port
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Block Diagram

