

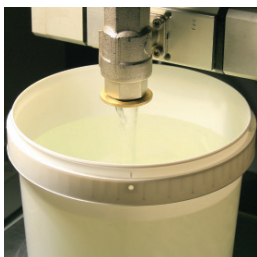
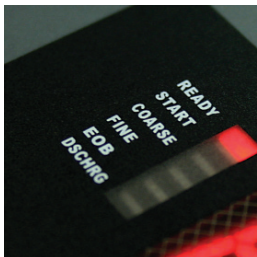
BX3 Filling Controller

Fits for any type of filling processes



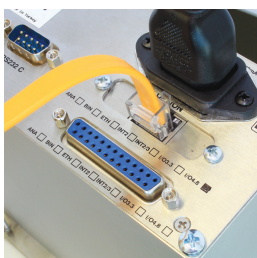
Standard Features

- MID 006 approved for gravimetric filling device
- Aluminum housing with stainless steel front and back panel
- 60000d readability
- Opto-isolated parallel 4 inputs/8 outputs
- Total & statistical report
- 16 receipt memories
- Automatic preact correction
- Filling process can be followed
- Date, time, and filling or weighing values are exported automatically after each filling



Filling Modes

- 9 standard filling modes can be selected in programming parameters:
- Liquid filling for open containers, filling under bung hole or at bottom filling
- "Weigh in and emptying" mode for automatic packing machines, bag fillers
- Tank/Silo filling and discharging
- "Weigh in-Weigh out" for sticky /viscous materials
- Discontinuous totalizers
- Filling in the bag as gross or net
- Bag filling from hopper scale
- Customized filling modes for OEMs' requests.



System Integration

- 2. serial port RS-232C, RS-485 or 20mA CL ASCII
- Ethernet TCP / IP
- Modbus RTU / TCP
- Profibus
- Profinet
- CANopen
- Additional 4 / 8 paralel I / O



BX3 is a professional filling terminal designed for any type of filling processes of liquid, bulk and granule material with all type of packages.

With its 8.000.000 internal resolution, high speed with up to 400 measurements per second, selectable standard digital and statistical filters, BX3 provides fast and accurate filling results in even environments with vibrations.

It has 9 standard filling modes for different type of materials and packages. Customized filling process can be defined according to user processes.

3 speed fillings with preact adjustment, tare control, zero range control, tolerance control, jogging, valves position controls are standard features.

Filling data including date, time, consecutive number, gross, tare and net filling values are exported automatically after each filling to printer or host. Total and statistical reports are also available.

BX3 Application Modes

Selectable standard modes:

- Filling open container (for liquid & bulk filling)
- Filling under bung hole
- Filling at bottom (for foaming liquids)
- Weigh in and emptying (Automatic packing machines, bagging)
- Weigh into or Weigh out of a tank, silo
- Weigh in - Weigh out (for sticky and viscous materials)
- Discontinuous totalizer
- Filling in the bag as gross or net
- Bag filling from hopper scale

Customized filling processes

Configurable according to OEMs' requests

BATCH REPORT

Start : 27.05.2008 15:17
 End : 27.05.2008 18:48
 N : 96
 NC : 96
 N<t : 1
 N>t : 0
 Nok : 95
 Avg : 113.34 kg
 S : 2.46 kg
 Min : 112.70 kg
 Max : 113.90 kg
 R : 1.20 kg
 Total : 10880.80 kg

TOTAL REPORT

Start : 27.05.2008 15:17
 End : 27.05.2008 18:48
 N : 96
 Total : 10880.80 kg

Specifications

Accuracy

Accuracy Class	III
EU Type approved	10.000 increments (Single range)
Linearity & temperature coefficient	% 0.0015 FS ; ≤ 2 ppm/°C

Display and Keyboard

Display	6 digits, 7 segments, LED red, 20 mm high (Panel type 14 mm high)
Status annunciators	Gross, net, motion, zero, information, power, unit and 6 LED's for application related status
Keyboard	18-key membrane, with tactile feedback

A/D Converter

Type	24 bit Delta-Sigma ratiometric with integral analog and digital filters
Conversion rate	Up to 400 measurements per second
Maximum 200 measurements per second	0.4 μ V per interval legal for trade; 0.1 μ V per interval non approved
Analogue input range	0 mV – 18 mV
Resolution	Internal up to 8 000 000; display up to 60 000 counts

Scale Calibration and Functions

Calibration	Calibration is performed by etalon weights
Digital filter	10 step adjustable digital adaptive filter

Load Cells

Excitation	5 VDC, max. 100 mA
Number of load cells	Up to 6 load cells (350Ω) or 18 load cells (110Ω) in parallel
Connection	4 or 6 wire technique. Cable length 274 m/mm² for 6 wire connection

Environment And Enclosure

Operation temperature & humidity	-10 °C to +40 °C legal for trade; 85% RH max, non-condensing
Enclosure	Panel type (front panel IP65) or stainless steel housing (IP65)

	Panel type		Stainless steel	
Power Supply				
230 VAC, 24 VDC, 50/60 Hz, max. 12 VA	●		●	
12 VDC, max. 12 VA		○		○
Option For Additional Interface				
2nd Serial interface (RS-232C, RS485, Modbus RTU) Profibus DP-V0 & V1 / Profinet / CANOpen	○	○	○	○
Ethernet TCP / IP and Modbus TCP	○	○	○	○
Opto-isolated digital inputs (24 V) and Opto-isolated digital outputs (open emitter)	○	○	○	○
Additional Mechanical Hardware				
Wall mount kit		—	●	

(Specifications are subject to change without notice. 03 / 2015)

● standard version ○ optionally available — not available