Scanvaegt MPe System

Manual packing and e-weighing

MINIMAL GIVE-AWAY

EFFICIENT PACKING

FULL OVERVIEW

Scanvaegt's MPe System is the efficient solution for weighing tasks for manual packing to target weight and manual e-weighing.

Scanvaegt MPe is a simple but efficient system for manual tasks such as packing to target weight and checkweighing (e-weighing). The system, which consists of a SV10C weight indicator, SV1200 bench scale and the PlusFlex PM software module, handles weighing to target weight or according to the e-weighing directives, registration of weight data and capture of production data and generation of full e-weighing documentation of up to 99 or packing or weighing stations.
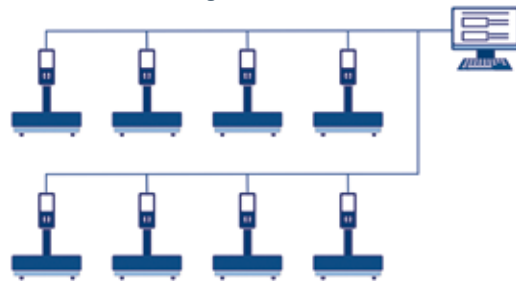
Manual packing to target weight

Using the MPe system for manual packing jobs makes it possible to ensure that all packs are within the accepted tolerance limits - quite close to the ideal target weight - thus keeping give-aways to an absolute minimum and enabling optimal utilization of the raw materials. The weighing system is connected to the PlusFlex PM, installed on a central PC. From here it is possible to download product data to the weighing system and generate packing reports and statistics.
In PlusFlex PM it is also possible to monitor production data online.
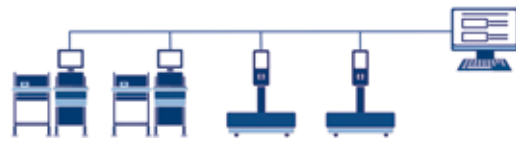
Manual e-weighing

The MPe system also represents an efficient solution for manual e-weighing control of packed products. The system summarises the weight and number of packs in the batch in a production run and checks whether they comply with e-weighing requirements for weight tolerances and mean value.
If the pack weight is below the e-weighing tolerances, a red LED on the weight indicator turns on, allowing operators to reject the packs that might otherwise result in rejection of the entire batch in a random check.

The MPe system is flexible and can be used for various applications, such as in packing facilities running small production batches, as a stand-alone station or manual checkweigher in combination with automatic checkweighers.

Manual packing to target weight using bench scales

Manual e-weighing using bench scales and automatic checkweighers

Technical specifications

Environment	
IP-Rating	IP67
Design	Stainless steel AISI 304
Display and keyboard	
Weight display	6 digits, 7 segment, red
Process display	2 pcs. 7 segment for programme selection
Keyboard	Film: 0-9, Up Arrow, Down Arrow, OK, Return, 0, T, F1, F2
+/- display	10 red LEDs, 3 green LEDs and 10 yellow LEDs
Weighing	
Weighing capacity; [E]	From 1 kg to 99999 kg
Max. number of verification divisions (n)	10,000 for single interval and 3,000 divisions for multi-range
Functions	Tare: keyboard tare, +/- function, alibi-function
Display-divisions	1, 2, 5,10, 20 and 50
Load cell: supply	5V
Load cell: max. load	35 ohm (10 cells are a 350 Ohm)
Min. sensitivity	0.5uV / d

Communication	
Ethernet	10/100 Mb (UDP or TCP / IP)
Supported protocols	CS0, RS0, SV1, SV3, SVR, SVE, SVC-10 SVC-1, CS0-2, RS0-2
RS232 (galvanically separated)	YES, 2 pcs.
RS485	YES
Current loop	YES (active / passive)
Input (24 V / galvanic opto)	2 pcs: Acceptance weight; Zero, Tare
Output (24 V / externally supplied)	2 pcs: Setpoint; Start programme
Analogue output; (follow gross)	0-20 mA or 4-20 mA (0-10)
Power supply	100- 230; 50-60 Hz
Dimensions - H x W x D	265.1 x 129,0 x 50.0 mm
Operating temperature	-10º C to +40º C
Type approval	EC type-approval Class III & IIII