

DWM AUTOMATIC CHECKWEIGHER



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DWM automatic checkweighers provide the highest quality and weighing accuracy..

They are applied mainly for pharmaceutical and food industry. Using magnetoelectric modules allows to weigh products quickly, providing accuracy of 0,01 g and efficiency 500 items/min. (depending on the product mass and dimensions). The device features a friendly, intuitive interface and several built-in functions that enable the statistical data operation and service process. Checkweighers allow a precise control of packaged products in accordance with the valid regulations. A modular base construction allows a flexible configuration of the device.

Complex communication modules fully integrate the scale with the production line, which makes it possible to operate it automatically. Connecting the checkweigher to the computer system allows to monitor production process on-line, save the weighments, generate the reports considering the weighing statistics, quantitative statistics and the production line failures and stoppages.

DWM automatic checkweighers series are designed to control single goods whose mass does not exceed 7500 g. Scale software enables setting the parameters according to customers regulations or according to the current regulation on Control of Packaged Goods. The flexible limits working mode was designed for pharmaceutical concerns. DWM automatic scales series are attested by NIH.

Main applications:

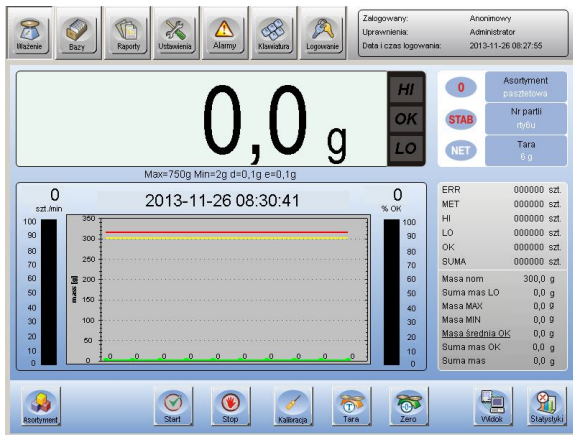
- Control of goods in accordance with regulation on Control of Packaged Goods
- The full control of production process
- Control over dosing devices
- Control over the products packaging precision
- Weighing medicines, blister packs, syrups, etc.

Technical data:

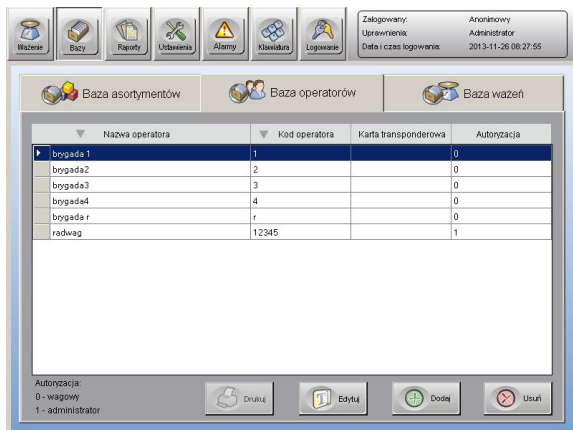
	DWM 750	DWM 1500	DWM 3000	DWM 7500
Max capacity	750 g	1500 g	3000 g	7500 g
Verification unit	0,1 g	0,2 g	0,5 g	1 g
Reading unit	0,1 g	0,2 g	0,5 g	1 g
Expanded reading unit	0,05 g	0,1 g	0,1 g	0,5 g
Min capacity	2 g	4 g	10 g	20 g
Tare range	-750 g	-1500 g	-3000 g	-7500 g
Conveyor velocity	1,6 m/s	1,6 m/s	1,6 m/s	1,6 m/s
Construction	Powder coated steel / stainless steel			
OIML class	XIII(1), Y(a)			
Working temperature	+5° ÷ +40 °C			
Protection level	IP 55/ 65			
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz			
Display	LCD 12"			
Keyboard	touch screen			
Interfaces	Ethernet, USB, RS 232, I/O			

Accessories:

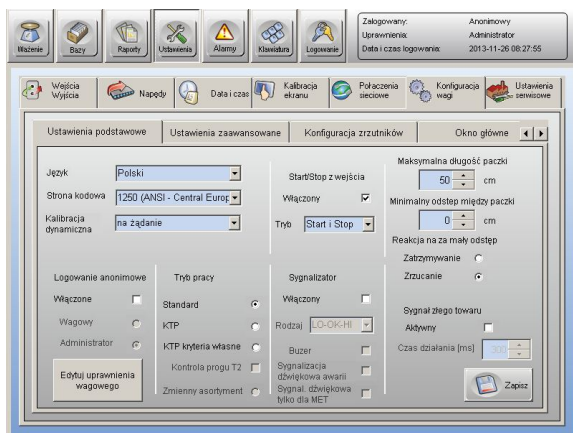
Stacklight/optical signalling device	Inkjet printer
Product positioning unit	Label printer
Product infeed unit	Line congestion sensor
Bin for rejected products	Bin overload / rejection sensor
Metal detector	Pressure failure sensor
Report printer	Additional conveyor unit



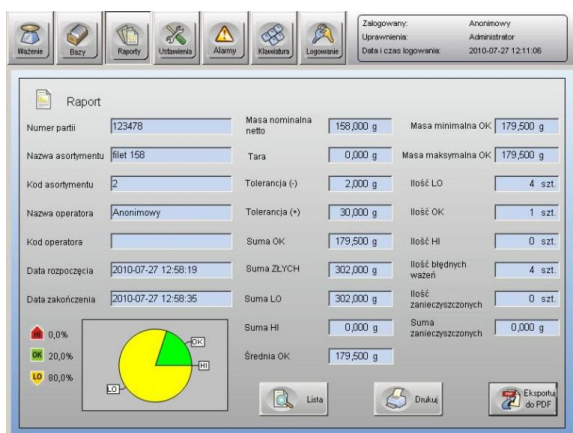
Main panel



Database window



Configuration panel



Report window

Software:

The checkweigher features an industrial computer and Windows Embedded operating system. This solution allows an intuitive and easy cooperation with the device. The scale and standard office interface are similar, which facilitates the operation.

Database module was designed on the basis of Microsoft SQL Server, which allows a stable and safe saving of data generated by the scale, as well as an easy connection of the database with the client's software. Saving the databases and weight records on two separate memory carriers provides high security.

All checkweigher elements like drives, rejectors, emergency buttons, warning lights are controlled by the real time controller, which guarantees the flow of work and an instant reaction to the emergency signals.

Checkweighers provide the full exchange of data via Ethernet network. The communication protocol ensures the automatic transfer of weight records, databases update, introduction of new settings and the device work monitoring in on-line mode.

Functions:

- Statistical weighing
- Dynamic weighing
- Database of operators on different access level
- Assortment database
- Weights database
- Reports database
- Tresholds control +/-
- Control of goods in accordance with regulation on Control of Packaged Goods
- Control of goods in accordance with customer regulations
- Autocontrol
- Automatic correction of the package mass
- Control of the rejector work accuracy
- The supply installation pressure control
- Bin overload sensor
- Cooperation with dozers
- Cooperation with PLC controller
- Reporting
- Export of reports to PDF files
- Control of products flow
- Control of products dimensions
- Flexible regulation of transporters velocity