



# Magnetoelectric Weighing Modules

# MAGNETOELECTRIC WEIGHING MODULES

## Adaptation to industrial environment Cooperation with external devices



### Vast Max Capacity Range

Magnetolectric weighing modules are intended for mass measurement ranging from 2g to 35kg. Minimum readability of 0.01g guarantees amazing accuracy for your measurement.

### Ease of Installation

Compact dimensions and ergonomic installation handles enable easy and fast integration of the module into a production line. Innovative internal design allows control of automation systems installed directly on a weighing pan. Applied solution, i.e. system transferring electric signal to the weighing platform, eliminates necessity to feed external cables disturbing the weighing process.

### Fast and Precise Measurement

High measurement accuracy with  $sd=1d^*$  guarantees both readout of real weighing results and repeatability of indications. Cutting-edge design solutions provide fast measurement which is an asset allowing to install the module on automated production lines. Intended for fast and dynamic measuring processes the weighing module's converter throughput is 3200 meas./s<sup>\*\*</sup>.

### Internal Auto-Adjustment

A built-in system of automatic internal adjustment guarantees correct weighing results even for the highest readability. Adjustment is carried out within specified time intervals or with reference to a schedule, it can also be triggered by temperature change. Option of adjustment time setup enables adapting adjustment processes to production line schedule.

### Protection Against Challenging Conditions

Hermetic versions of modules feature stainless steel housing with IP65. This allows operation even in the most challenging conditions. Mechanical design lacks sharp edges and gaps which ensures adherence to HACCP, GMP and FDA standards for safety and quality of operation.

### Cooperation with terminals

Connecting the module to a multifunctional weighing terminal expands communication interfaces range and increases usage in industrial applications.

\* repeatability is expressed as standard deviation from 10 weighing cycles

\*\*option



**MWSH**



**MWMH**



**MWLH**

Maximum capacity [Max]	6 kg	1 kg - 10 kg	10 kg - 35 kg
Readability [d]	0.01 g	0.1 g - 1 g	0.01 g - 0.1 g
Verification unit [e]	–	0.1 g - 1 g	–
Preload	600 g	4 kg - 9 kg	1 kg - 3.5 kg
Weighing pan dimensions	100 × 100 mm	212 × 174 mm	212 × 174 mm
IP rating	IP65	IP65	IP65
Adjustment	Internal (automatic)	External	External
Communication interfaces	RS 232, RS 485, Ethernet, 2×IN, 2×OUT	RS 232, Ethernet, 2×IN, 2×OUT	RS 232, RS 485, Ethernet, 2×IN, 2×OUT
Optional communication interfaces		Profibus	
Communication protocols		Radwag, text ASCII, Modbus	