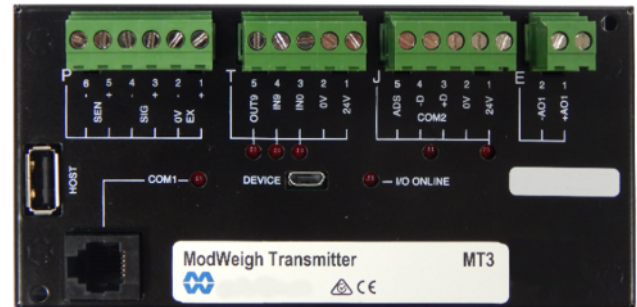


▶ ModWeigh PPW plus

- Control unit for impact scales and solid flow meters
- Especially for automation environments
- Serial interfaces for data communication via Modbus RTU-protocol, alternatively fieldbus interfaces via gateways
- Analog and pulse output
- Digital inputs and outputs, expandible
- USB port for parameter backup without PC
- Plug-in contact blocks



DESCRIPTION:

The control unit ModWeigh PPW plus is a modern and powerful evaluation system for continuous weighing by means of impact scales and solid flow meters.

The ModWeigh PPW plus consists of the transmitter MT3 and is combined with a display and operating module (MD1 or MD2). One transmitter MT3 is required for each scale, up to 8 transmitter can be operated via one display.

The ModWeigh PPW plus can be expanded with the MR1 interface module (ModWeigh FBW plus comfort variant).

Each transmitter has an USB interface so that all scale parameters can be saved on an USB stick. If the scale module fails, a previous backup can be loaded quickly. The scale is ready for use again in no time.

The ModWeigh PPW plus is a built-in module for top-hat rail mounting in a compact design. It has a robust steel housing with plug-in contact blocks that simplify installation, maintenance and service.

FUNCTIONING:

The control unit ModWeigh PPW plus records the signals of the load cell, normalizes the signals and generates the flow rate in kg/h or t/h and the accumulated weighing value (daily quantity and total quantity).

Measured data and scale parameters are displayed on the display and operator module according to the user-defined settings.

Simultaneously, the determined weighing value is available as a signal at the analog output.

The measured data can either be directly transmitted via the COM interface and Modbus RTU-protocol to the other Modbus-participants or can be provided at fieldbus interfaces via an additional gateway.

The overruns of the characteristics are noted in the alarm memory, e.g. Flowrate default. The error list can be called and selected on the display.

TECHNICAL DATA:

ModWeigh PPW plus	According to the specifications of MID	
Configuration	transmitter MT3	
Printer interface	yes	
Fieldbus interfaces	Profibus DP/ Profinet IO/ CANopen/ Modbus-TPC/ EtherNet - optional via gateways	
Supply	10 - 32 VDC	
Power of consumption	max. 10 VA	
Temperature range	-10°C up to +45°C	
Housing	steel panel	
Dimensions (WxHxD)	136 x 66 x 50 mm	
Protection class	IP 20	
Mounting	designed for rail mounting	
Measuring value input		
Number of load cells	max. 8 pcs. á 350 Ω	
Load cell connection	5 VDC (max. 250 mA)	
Resolution	0.5 µV/Count	
Speed encoder	100 Hz	
Inputs and outputs	MT3	MR1
Analog inputs		1 x 0(4) - 20 mA, max. resistance 1000 Ω, resolution 0.4 µA
Analog outputs	1 x 0(4) - 20 mA, max. resistance 1000 Ω, resolution 0.4 µA	2 x 0(4) - 20 mA, max. resistance 1000 Ω, resolution 0.4 µA
Digital inputs (24 V)	2 x freely configurable (e.g. for external taring)	8 x 24 V
Digital outputs (24 V)	1 x for freely assignable switching function (e.g. for pulse output)	8 x 24 V
Isolated pulse output		1 x max. 500 Hz
Serial interfaces	1 x RS 232 1 x RS 485 for Modbus RTU or fieldbus interfaces via gateway	
Protocols	Modbus RTU	
USB Host	1 x for USB Stick	
USB Device	1 x for PC cable	
Wiring	via contact blocks with screw terminals	
Display	alternatively colour display MD1 or MD2	