

PENKO

SAI-MV

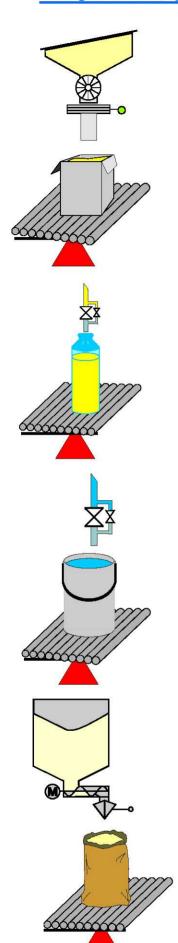


FILLING INDICATOR type SAI-MV

Certified by NMI: TC 2636, 4000 div. 1d => 1μ V

- The solution for your filling equipment.
- Very fast. 250 Weighing samples per second.
- 3 Solid state outputs: Coarse, Fine & and Dosing ready.
- 4 Inputs for remote control-keys.
- Input functions for Zero, Start, Stop & Enable (pause)
- PC-version: RS232 or RS422 interface with ASCII protocol to down- and upload the setpoint, get the dosed value etc, etc, etc.
- PR-version: RS232 or RS422 interface with PRINTER protocol.
- Extruded and machined ALU-housing for Panel mounting.
- Also available in stainless steel housing.





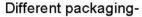
FOR EVERYTHING YOU FILL

This simple, but extremely strong filling device gives you an opportunity to do the job easy and extremely accurate.

You can use this instrument for all kind of filling activities.

Various materials-

- Solids
- Liquids
- Slurries

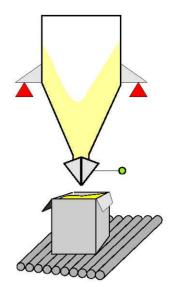


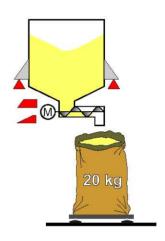
- Boxes
- Bottles
- Cans
- Big Bags
- Sacks
- Pots
- etc.

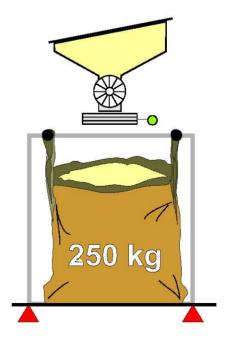
The inputs provide the full control over the instrument.

- Start input.
 When the enable input is activated, the instrument starts the sequence.
- Stop input.
 This input has to be activated all the time.
 (standard safety)
- Enable input.
 The enable input is used for the function "package in place" or "releasevalve closed".

Our project-department is solving Special filling problems on request. They are experienced in OEMapplications. In this solution work, we also use other types of special developed hardware.



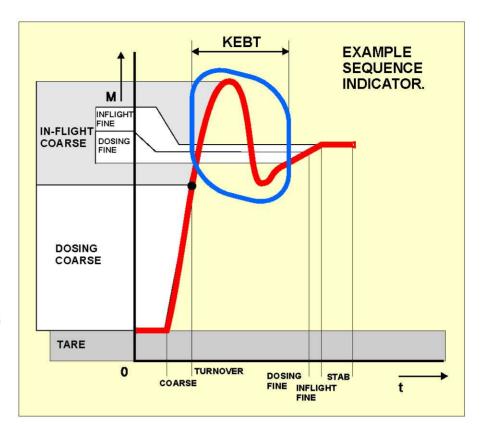






YOU CAN SELECT

- -Nett or Grossweighing.
- -Stability test or/and time out. (for zero or tare)
- -Positive- or Negative weighing.
- -Coarse- and/or Fine dosing.
- -Kinetic Energy Bridge function. Yes or No.
- Inflight correction:0(=no) / 10 / 20 / 50 %or a fixed value.
- -Stability testor/and time out. (for end value)
- End result for printer facilities.



PR-version: PRINT THE RESULTS.

PENKO ENGINEERING B.V. : 05-09-96 DATE 10:15 TIME SET POINT: 1.000 kg TARE PT: 0.100 kg 123.174 kg SUBTOT. : 1.001 kg AVERAGE : 123 COUNT WEIGHING = PROFIT

PENKO ENGINEERING B.V. DATE : 05-09-96 10:16 TIME 1.000 kg SET POINT: TARE PT: 0.100 kg TOTAL 123.174 kg AVERAGE : 1.001 kg COUNT 123 WEIGHING = PROFIT

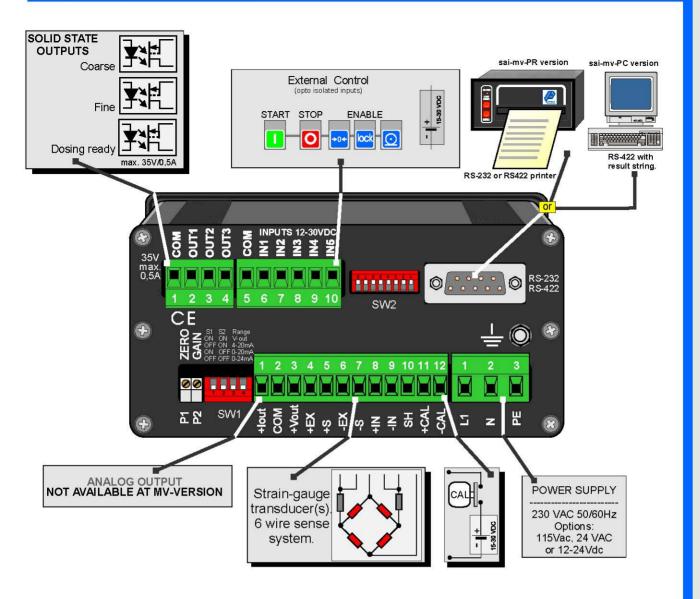
The header and the footer of the ticket are programmable in a very easy way.

By pressing the print command button shorter than 3 seconds, you get a full SUBTOTAL report. This gives you an view of the work done up to this moment . So you have a good idea what has been done up to now.

By pressing the print command button longer than 3 seconds, you get a full TOTAL report. You also clean the memory. The instrument is ready for a new job. This print- out gives you an view of the work.

On request the instrument can be delivered with an RS232 port which generates a string, suitable for the set up of an "e" mark protocol.





Specifications:

Power supply	230 Vac - 50/60 Hz, +/- 10%, Options: 24Vac,115 Vac, 12-24Vdc.
Wiring	full Wheatstone bridge with sense connections.
Display	5 digits 0,56" - 14,2 mm. Ultra Bright.
Display speed	1-10 readings per second.
Excitation voltage	10 V DC, suitable for 1-4 loadcells with a bridge resistance of 350 Ohm.
Input range	+/- 23 mV. Verification unit 1 μV/part.
Conversion speed	250 samples/second.
Linearity	< 0,006 % FS.
Resolution	1/65,000 counts. (16bit internal)
Temperature effect	on zero <= 12 ppm/°C.on span <=10 ppm/°C.
Temperature range	10 - + 50°C.
Analog filter	12 dB./octave e.g.40dB/decade 2,5 Hz.
DigitaΓfilter	36 dB/octave e.g. 120dB/decade 10Hz
<u>Digital output</u>	Isolated RS 232, 1200/9600 Baud or 4-wire RS422.
Inputs	5 optical isolated 12-30 V. DC.
<u>Outputs</u>	3 solid state outputs 15-35 Vdc or ac max 0,5A.
Consumption	14 Watt. with 4 loadcells- 350 Ohm.
Dimensions	150 x 78 x 180 (ALU-housing, depth 250mm at certified version).
<u>Weight</u>	appr. 1800 g
70 - 50 1 5.15	

TC 2636 (for 4000 divisions).



Certification