PENKO Engineering B.V.

SGM 700 specifications

The Experts In Weighing & Dosing

Your partner for fully engineered factory solutions

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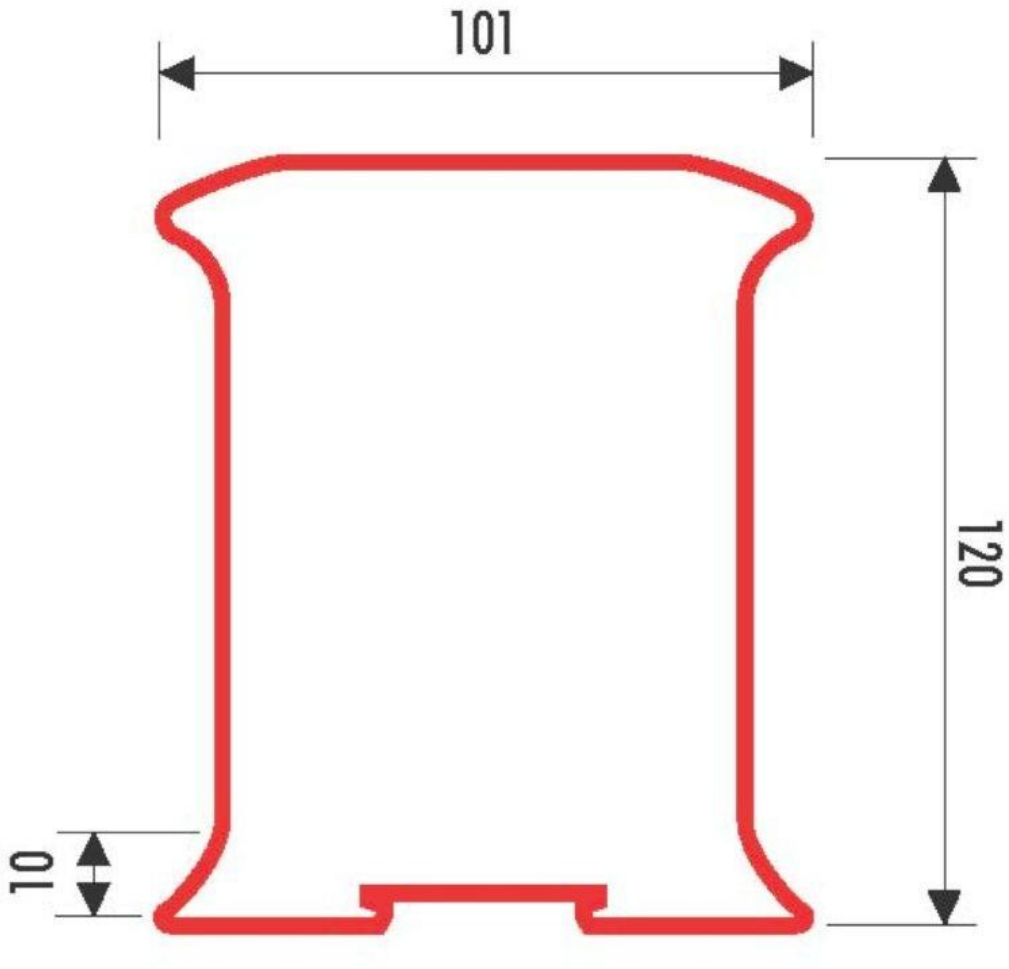
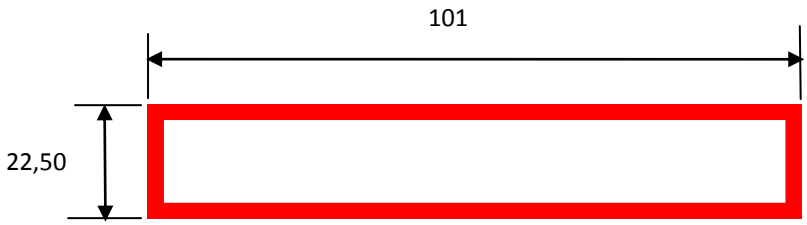
SGM 700 Dimensions



Side view



Top view

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SGM 700 Specifications

Type	SGM700	SGM710	SGM720	SGM730
Wiring	With sense	With sense	With sense	With sense
Type of sense	Passive	Passive	Passive	Passive
Power supply	18-32 Vdc; 4 W max.	18-32 Vdc; 2,5 W max.	18-32 Vdc; 2,5 W max.	18-32 Vdc; 2,5 W max.
Load cell power supply	5 Vdc	5 Vdc	5 Vdc	5 Vdc
Sensitivity	0,4 µV/d	0,4 µV/d	0,4 µV/d	0,4 µV/d
Sensitivity range	-0,5 mV/V to +2,25 mV/V	-0,5 mV/V to +2,25 mV/V	-0,5 mV/V to +2,25 mV/V	-0,5 mV/V to +2,25 mV/V
Measuring range	-2,5 mV to +11,25 mV	-2,5 mV to +11,25 mV	-2,5 mV to +11,25 mV	-2,5 mV to +11,25 mV
A/D Conversion speed	1600/s	1600/s	1600/s	1600/s
Max. load cell impedance	1100 Ω	1100 Ω	1100 Ω	1100 Ω
Min. Load cell impedance	43,75 Ω	43,75 Ω	43,75 Ω	43,75 Ω
Max. no. of load cells 350 Ω	8	8	8	8
1100 Ω	16	16	16	16
Max. number of d	10.000	10.000	10.000	10.000
Display resolution	100.000	100.000	100.000	100.000
Internal resolution	24 bits	24 bits	24 bits	24 bits
Display steps	1,2,5,10,20,50,100,200	1,2,5,10,20,50,100,200	1,2,5,10,20,50,100,200	1,2,5,10,20,50,100,200
Display size	6 digits	6 digits	6 digits	6 digits
Inputs, 24 V	3	3	3	3
Outputs, 24 V	4	4	4	4
Analog output	option	Yes	option	option
Communication RS232/422	No	No	No	No
RS485	Yes	Yes	Yes	Yes
Ethernet	No	No	Yes	No
USB	Yes	Yes	Yes	Yes
CANBUS	No	No	No	Yes
Profibus	No	No	No	No
Operating temperature	0C to +55°C	0C to +55°C	0C to +55°C	0C to +55°C
Storage temperature	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
Relative Humidity	Max. 80%	Max. 80%	Max. 80%	Max. 80%
Protection class	IP20	IP20	IP20	IP20
Weight	About 100g	About 100g	About 100g	About 100g

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SGM 700 Specifications

Type	SGM740	SGM750
Wiring	With sense	With sense
Type of sense	Passive	Passive
Power supply	18-32 Vdc; 4 W max.	18-32 Vdc; 2,5 W max.
Load cell power supply	5 Vdc	5 Vdc
Sensitivity	0,4 µV/d	0,4 µV/d
Sensitivity range	-0,5 mV/V to +2,25 mV/V	-0,5 mV/V to +2,25 mV/V
Measuring range	-2,5 mV to +11,25 mV	-2,5 mV to +11,25 mV
A/D Conversion speed	1600/s	1600/s
Max. load cell impedance	1100 Ω	1100 Ω
Min. Load cell impedance	43,75 Ω	43,75 Ω
Max. no. of load cells 350 Ω	8	8
1100 Ω	16	16
Max. number of d	10.000	10.000
Display resolution	100.000	100.000
Internal resolution	24 bits	24 bits
Display steps	1,2,5,10,20,50,100,200	1,2,5,10,20,50,100,200
Display size	6 digits	6 digits
Inputs, 24 V	3	3
Outputs, 24 V	4	4
Analog output	option	option
Communication RS232/422	No	Yes
RS485	Yes	Yes
Ethernet	No	No
USB	Yes	Yes
CANBUS	No	No
Profibus	Yes	No
Operating temperature	0C to +55°C	0C to +55°C
Storage temperature	-25°C to +70°C	-25°C to +70°C
Relative Humidity	Max. 80%	Max. 80%
Protection class	IP20	IP20
Weight	About 100g	About 100g

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Our design expertise include systems for manufacturing plants, bulk weighing, check weighing, force measuring and process control. For over 35 years, PENKO Engineering B.V. has been at the forefront of development and production of high-accuracy, high-speed weighing systems and our solutions continue to help cut costs, increase ROI and drive profits for some of the largest global brands, such as Cargill, Sara Lee, Heinz, Kraft Foods and Unilever to name but a few.

Whether you are looking for a simple stand-alone weighing system or a high-speed weighing and dosing controller for a complex automated production line, PENKO has a comprehensive range of standard solutions you can rely on.

PENKO sets high standards for its products and product performance which are tested, certified and approved by independent expert and government organizations to ensure they meet - and even - exceed metrology industry guidelines. A library of testing certificates is available for reference on www.penko.com .

PENKO is committed to ensuring every system is installed, tested, programmed, commissioned and operational to client specifications. Our engineers, at our weighing center in Ede, Netherlands, as well as our distributors around the world, strive to solve most weighing-system issues within the same day.

On a monthly basis PENKO offers free training classes to anyone interested in exploring modern, high-speed weighing instruments and solutions.

A schedule of training sessions is found on www.penko.com/training

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