

## Digital Single Point Load Cell - Type SPSX



### Special Features

- Stainless steel
- Robust capacitive technology
- High tolerance of up to 1.000% overload
- High accuracy, High resolution
- Platform size up to 400 x 400mm
- Hermetically sealed to IP68
- Laser welded
- Fast transient response
- Easy mechanical and electrical installation
- Digital filters
- Load cell cable replaceable
- ATEX version available (Zone 1, 2, 21, 22)



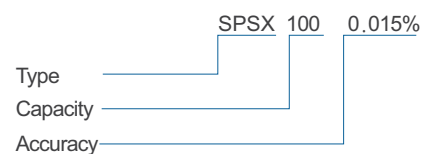
### Applications

- Dynamic weighing
- Multihead weighers
- Factory Automation
- Packaging machines
- Filling and dosing
- Flow measurement
- Bench and platform scales
- Conveyor scales
- Process weighing
- Checkweighers

### Options

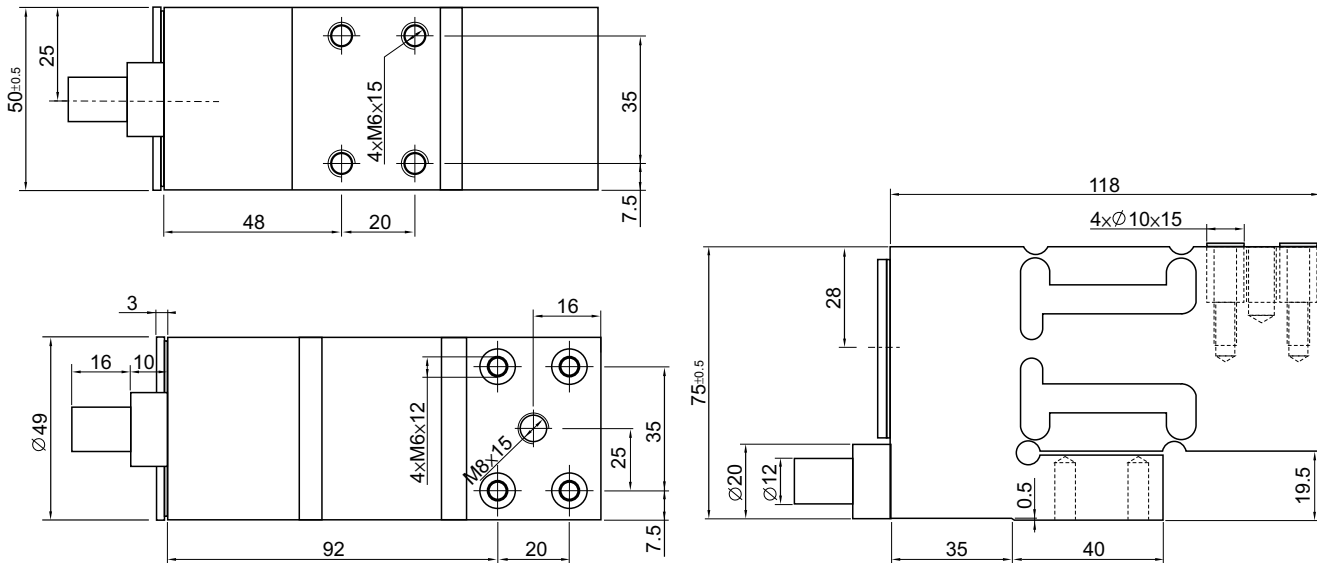
- ATEX (Zone 1, 2, 21, 22) version type SP5075A
- ATEX II 2G Ex ia IIC T6 / ATEX II 2D Ex iaD 21 T85°C
- Customized versions available
- Load cell cable length 10, 20, 50 or 100meters

### Order information



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### Dimensions (mm)



Parameter	Unit	0.025%	0.015%
Rated capacity (E <sub>max</sub> )	kg	5, 10, 20, 50, 100, 150	
Safe overload limit	% of E <sub>max</sub>	300 to 1.000	
Safe sideload limit	% of E <sub>max</sub>	500 to 2.000	
Minimum dead load	% of E <sub>max</sub>	0	
Accuracy	% of E <sub>max</sub>	0.025	0.015
Repeatability	% of E <sub>max</sub>	0.008	0.005
Hysteresis	% of E <sub>max</sub>	0.010	0.005
Creep 30min.	% of E <sub>max</sub>	0.015	0.010
Temperature effect on zero	% /10 °C	0.030	0.020
Temperature effect on sensitivity	% /10 °C	0.030	0.020
Compensated temperature range	°C	-10 to 50	
Operating temperature range	°C	-50 to 70 (100*)	
Deflection at E <sub>max</sub>	mm	Max 0.10	
Measuring rate	Hz	Up to 1.000	
Supply	Vdc	24Vdc ±10%	
Internal resolution	Bit	24	
Material		Stainless Steel 17-4 PH and AISI 316	
Protection		IP68	
Cable		6meter standard coaxial RG-58 (Ø6mm) with BNC connector	
Maximum cable length	m	100	
Weight	kg	2.5	
Output options		Profibus DP, DeviceNet, Modbus ASCII/RTU, EtherCAT EtherNet/IP, RS485, 4-20mA, 0-10Vdc	

\* with Teflon cable



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