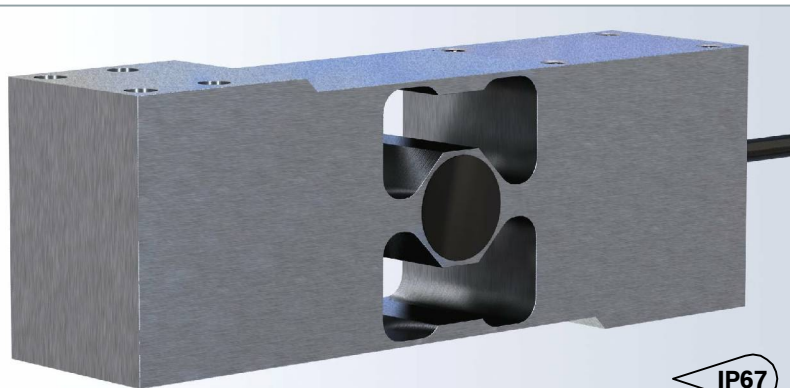


Aluminum digital single point load cell. Ideal for use in conveyor scales, hi speed check weighers, bench scale and small tank, bin and hopper weighing systems.



IP67

FEATURES

- Capacities 20, 50 & 100kg.
- Aluminum construction.
- Environmental protection IP67.
- AD conversion rate up to 1200upd./sec.

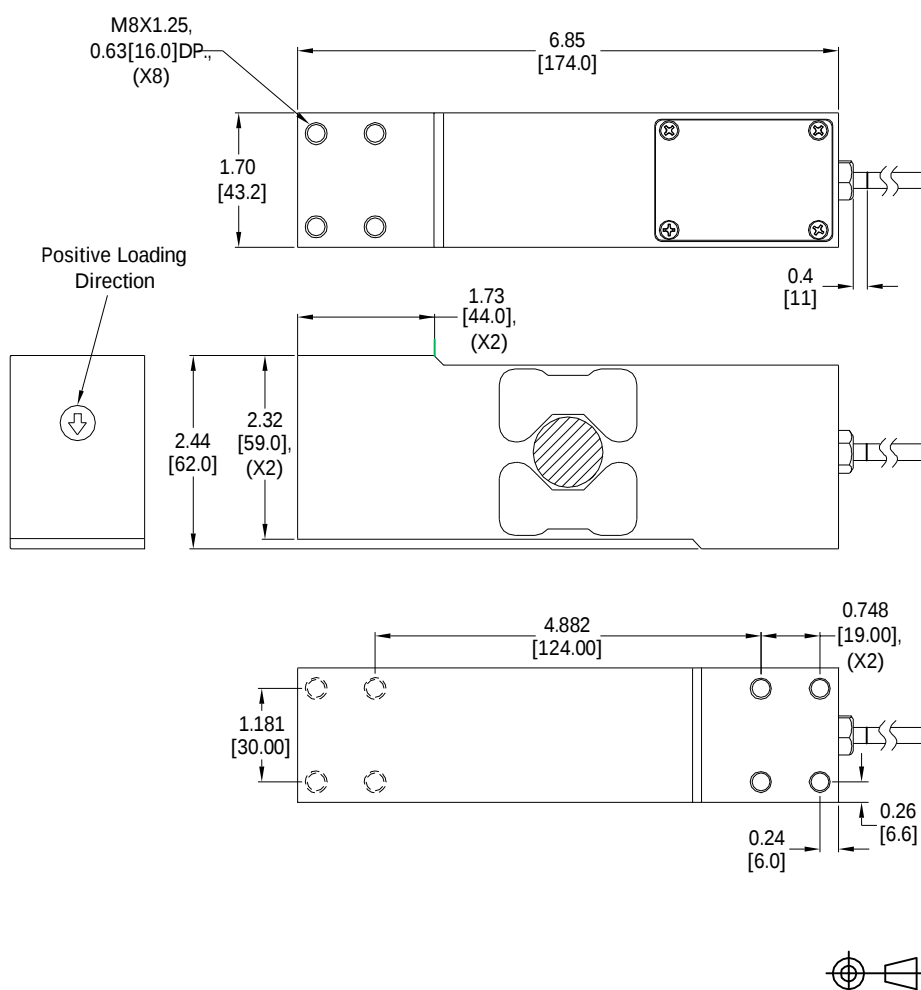
APPLICATIONS

- Bench scales, floor scales, Conveyor weighing systems, Tank Bin and hopper Weigh Systems.

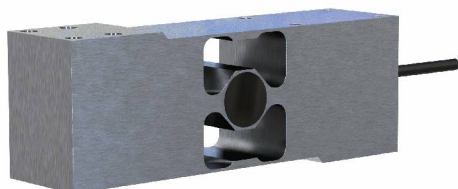
OPTIONS

- Load cells can be supplied with calibration certificates as per ASTM E74.

OUTLINE DIMENSIONS



digital single point SP46AD 4075D



WIRING

Cable Color Code		
Color code	RS-232+CAN	RS-485+RS-422
Red	PWR+	PWR+
Black	GND	GND
White	RxD	Rx+
Green	TxD	Rx-
Brown	CANH	Tx+
Blue	CANL	Tx-

Cable : 24AWG, 6 Conductor foil shielded black PVC cable.

PART NUMBERS

Capacity(kg)	Option	Part No.
20	RS232 + CAN	4076D-000-02
20	RS485+RS422	4076D-000-03
20	RS232 + CAN	4076D-000-06
20	RS485+RS422	4076D-000-07
50	RS232 + CAN	4076D-004-02
50	RS485+RS422	4076D-004-03
50	RS485+RS422	4076D-004-06
50	RS232 + CAN	4076D-004-07
100	RS232 + CAN	4076D-001-04
100	RS485+RS422	4076D-001-05
100	RS232 + CAN	4076D-001-06
100	RS485+RS422	4076D-001-07

SPECIFICATIONS

Model	SP46AD	
Capacity (E _{max})	kg	20/ 50/100
PERFORMANCES		
Accuracy class according to the OIML R60	C3	
Minimum load cell verification	g	E _{max} /10000
Combined Error	%FS	≤±0.017
Creep @ 30min	%FS	≤±0.017
Zero Balance, raw counts	increments	±2000
Output resolution at full load, raw counts	increments	512000
Internal AD conversion rate	upd./sec	1200
Fix, Digital Low Pass IIR Filter, Default	Hz	18 (Supress 50Hz and 60Hz Influence)
Adjustable , Digital Low Pass IIR Filter	Hz	18-0.25; Selectable in 8 Steps
Adjustable , Digital Low Pass FIR Filter		40-5; Selectable in 8 Steps
Adjustable, External Output Update Rate	upd./sec	1200-9; Selectable in 8 Steps
GENERAL I/O's		
Hardware Interface, CAN Version	CAN and RS232	
Hardware Interface, RS Version	RS485 and RS422 (Both Four Wire)	
Data transmission rates CAN	kb	125;250;500;1000
Data transm. rates RS485/RS422/RS232		9.6;19.2;38.4;57.6;115.2;230.4;460.8
Protocol CAN	CAN Open	
Protocol RS485/ RS422/ RS232	ASCII or Modbus RTU	
Logical Input, Programmable	Trigger Level 2-30Vdc, <3mA, Ref to Gnd.	
Power supply	VDC	10-30 ≤ 0.4 Watt
Mounting Bolt Torque	Nm	9
INFLUENCES		
Safe Load Limit	%* E _{max}	150
Ultimate Load	%* E _{max}	200
Eccentric loading error acc. to OIML R76	%FS	≤±0.023
Max platform size	mm	400X400
Temperature Effect on Zero	%FS/°C	0.001
Temperature Effect on Span	%FS/°C	0.001
Temperature Range	°C	Operating: -10/+40
EMC performance	MID Class E2 (Industrial Locations)	
I/O Protection, All Pins	Reversed Polarity; Excess Voltage and Surge	
Isolation Body/ Electronics at 500VDC	GΩ	≥1
Vibration	2.5G Operational; 5G Non-Operational	
Environmental Protection per IEC529	IP67	
Corrosion Resistance	Anodized Aluminum	

Dimensions and specifications subject to change without notice



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