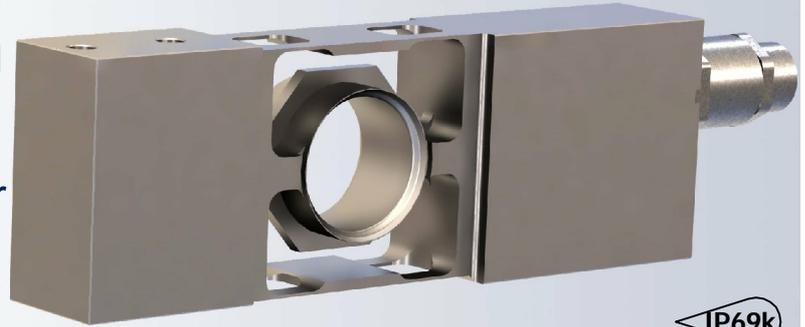


**Digital single point load cell designed for high speed filling and check weighing applications. This stainless steel load cell is hermetically sealed and is ideal for use in heavy wash-down applications**



IP69k

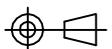
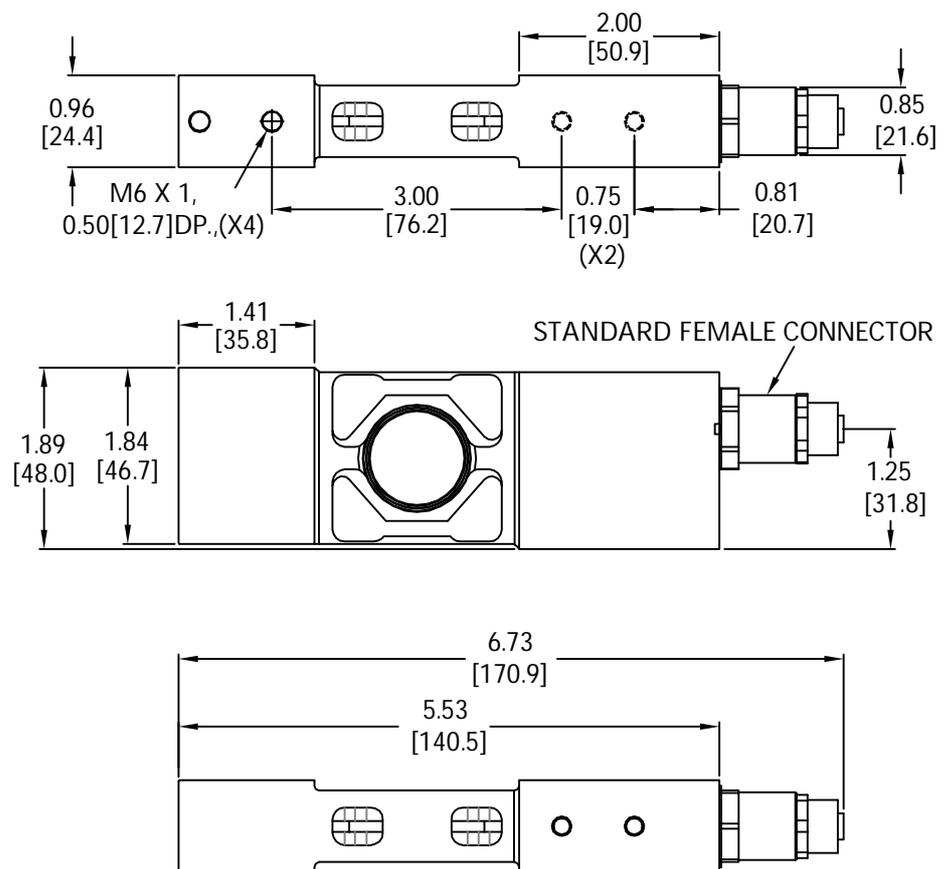
### FEATURES

- Capacities from 10 to 50 kg.
- Stainless steel construction.
- Environmental Protection IP69k with complete hermetic sealing.
- AD conversion rate up to 1200upd./sec.
- Free professional software for setting up the digital load cell.
- Maximum platform size up to 450 x 450 mm.

### APPLICATIONS

- Bench scales, conveyor scales, check weighers, filling plants, packaging machines and industrial process control.

### OUTLINE DIMENSIONS



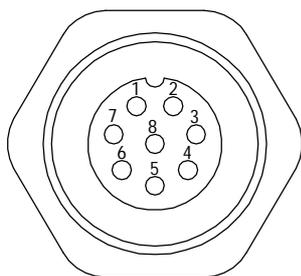
# single point SPD 4046D



## WIRING

Standard Female Connector Signal Electronics M12AF0008		
Pin No.	RS-232+CAN	RS-485+RS-422
1	GND1	GND1
2	PROGRAM	PROGRAM
3	CANH	Rx+
4	TRIGGER INPUT	TRIGGER INPUT
5	CANL	Rx-
6	RxD	Tx-
7	TxD	Tx+
8	PWR+	PWR+

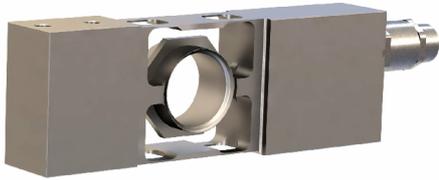
## PIN Configuration



## SPECIFICATIONS

Model	SPD			
Capacities (Emax)	kg	10	20	50
Recommended min. external division	g	1	2	5
<b>PERFORMANCES</b>				
Accuracy class according to the OIML R60	C3			
Maximum load cell verification interval(Vmin)	Emax/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	256000	512000	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 Adjustable , digital low pass FIR filter	Hz	18-0.25; Selectable in 8 Steps 40-5; Selectable in 8 Steps		
Adjustable, external output update rate	upd./sec	1200-9; Selectable in 8 Steps		
<b>GENERAL I/O's</b>				
Hardware interface, CAN version Hardware interface, RS version	CAN and RS232 RS485 and RS422 (Both four wire)			
Data transmission rates CAN Data transm. rates RS485/RS422/RS232	kb	125;250;500;1000 9.6;19.2;38.4;57.6;115.2;230.4;460.8		
Protocol CAN Protocol RS485/ RS422/ RS232	CAN open ASCII or Modbus RTU			
Logical input, programmable	Trigger level 2-30Vdc, <3mA, Ref to Gnd.			
Power supply	VDC	10-30 ≤ 0.4 Watt		
Connections	Standard 8 pin, female M12AF 0008			
<b>INFLUENCES</b>				
Safe load limit	%* Emax	300	150	150
Ultimate load	%* Emax	600	300	300
Eccentric loading error acc. to OIML R76	%FS	±0.0233		
Max Platform Size	mm	450 x 450		
Temperature ffect on zero	%FS/°C	0.001		
Temperature effect on span	%FS/°C	0.001		
Temperature range	°C	Operating: -10/+40 Storage: -40/+70		
EMC Performance	MID Class E2 (Industrial locations)			
I/O Protection, all pins	Reversed polarity; Excess voltage and surge			
Insulation body/ Electronics (VDC)	GΩ	≥1		
Vibration	2.5G Operational; 5G Non-Operational			
Environmental Protection IEC529	Body IP69k; Connectors IP68			
Corrosion resistance	All stainless steel			

single point  
**SPD**  
**4046D**



**PART NUMBERS**

Capacity (kg)	Option	Part No.
10	Single IO (RS232+CAN)	4046D-001-00
20	Single IO (RS232+CAN)	4046D-000-00
50	Single IO (RS232+CAN)	4046D-002-00
10	Single IO (RS485+RS422)	4046D-001-01
20	Single IO (RS485+RS422)	4046D-000-01
50	Single IO (RS485+RS422)	4046D-002-01

Dimensions and specifications subject to change without notice



**“WE TAKE THE LOAD OFF YOUR MIND”**

**Group Four Transducers**  
22 Deer Park Drive,  
E. Longmeadow, MA 01028  
[www.groupfourtransducers.com](http://www.groupfourtransducers.com)

Phone : **(800) 419 1444**  
Fax : (413) 525 -6182  
[sales@group-4.com](mailto:sales@group-4.com)