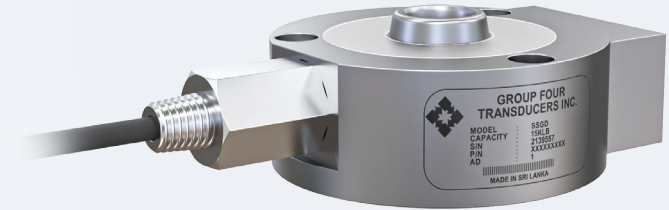


The type SSGD is a low profile stainless steel, high accuracy digital pancake load cell. Ideal for weighing tanks, bins and hoppers.



FEATURES

- Capacities from 5kN to 100kN.
- Stainless steel construction.
- Environmental protection IP69.
- Hermetically sealed.
- Designed for easy installation.
- RS Version: RS-232, RS-485, RS-422 (ASCII Protocol).
- CAN Version: SAE J1939 Protocol.

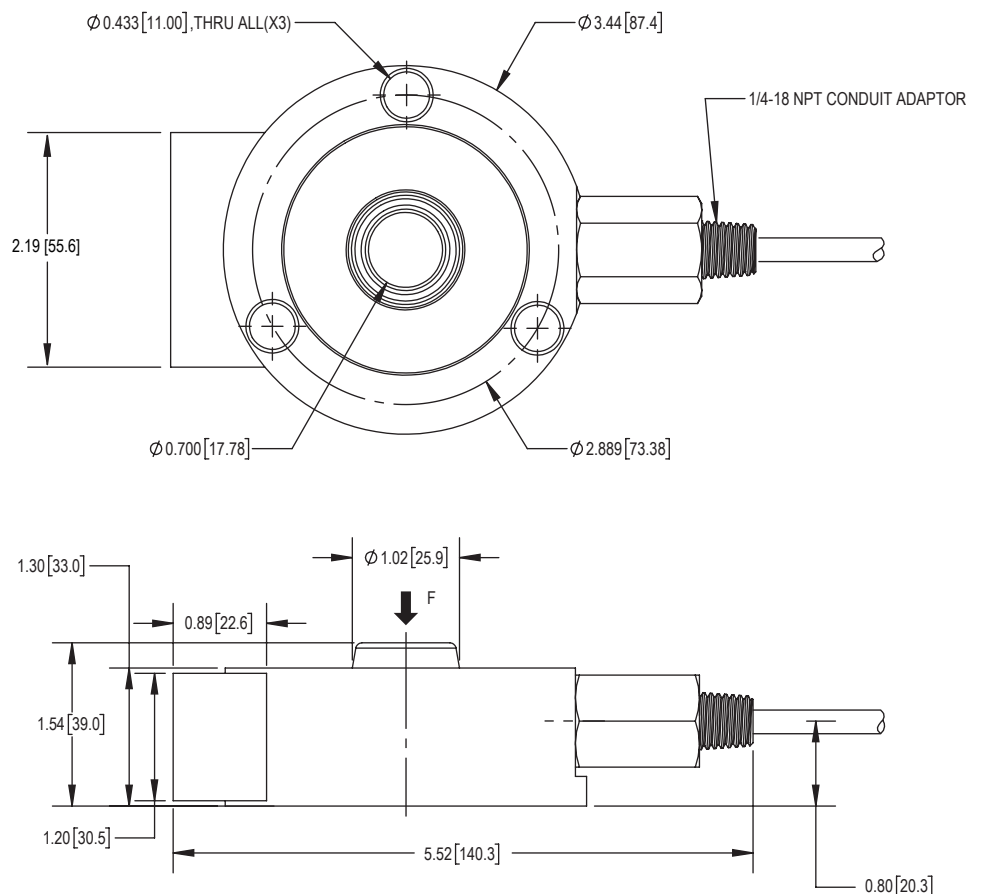
APPLICATIONS

- Bin weighing.
- Hopper weighing.
- Tank weighing.
- Silo weighing.

OPTIONAL

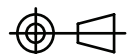
- Cable with M12 Connector.

DIMENSIONS



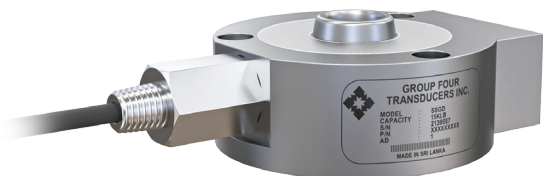
NOTES:

- 1) ALL DIMENSIONS ARE IN INCH[MM]
- 2) ARROW INDICATES THE POSITIVE LOADING DIRECTION.
- 3) MOUNTING BOLT TORQUE VALUE IS 50Nm [442 in-lb].
- 4) THE LOAD CELL IS CALIBRATED IN NEWTON (GRAVITY IS 9.781117 m/s²).



digital pancake

5079D SSGD

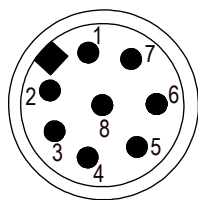


WIRING

Cable color code			
PIN NO	COLOR	RS-232+CAN	RS-485+RS-422
1	WHITE	GND1	GND1
2	BROWN	PROGRAM	PROGRAM
3	GREEN	CANH	RX+
4	YELLOW	Trigger Input	Trigger Input
5	GREY	CANL	RX-
6	PINK	RXD	TX-
7	BLUE	TXD	TX+
8	RED	PWR+	PWR+
SHELL	CLEAR	SHIELD	SHIELD

Cable : 24 AWG, 8 Conductor foil shielded black PVC cable + drain wire.

PIN CONFIGURATION



M12 - 8 Pin male connector.

SPECIFICATIONS

Model	SSGD	
Capacity (E max)	kN	5, 10 , 20, 50, 100
PERFORMANCES		
Combined error	%FS	$\leq \pm 0.05$
Creep error (30min)	%FS	$\leq \pm 0.03$
ADC		24-bit Delta Sigma
Adjustable, external output update rate	upd./sec	10
GENERAL I/O's		
Hardware interface, CAN version		CAN
Hardware interface, RS version		RS232, RS485 and RS422
Data transmission rate CAN		250
Data transm. rates RS485/RS422/RS232	kb	115.2
Protocol CAN		J1939
Protocol RS485/RS422/RS232		ASCII
Power supply	VDC	+12 -+27 $\leq$ 0.5Watt
Power supply ripple	mV as pk-pk	≤ 100
INFLUENCES		
Safe load limit	%FS	500
Ultimate load	%FS	600
Temperature effect on zero	%FS/°C	0.004
Temperature effect on span	%FS/°C	0.004
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
Cable length	ft	30
Environmental protection per IEC 529		IP69
Element material		Stainless Steel

PART NUMBERS

Capacity (kN)	Part No.			
	Free End Version		With M12 Connector	
	GEN (RS-232+CAN)	A (RS-485+RS-422)	B (RS-232+CAN)	C (RS-485+RS-422)
5	5079D-000-00	5079D-000-01	5079D-000-02	5079D-000-03
10	5079D-001-00	5079D-001-01	5079D-001-02	5079D-001-03
20	5079D-002-00	5079D-002-01	5079D-002-02	5079D-002-03
50	5079D-003-00	5079D-003-01	5079D-003-02	5079D-003-03
100	5079D-004-00	5079D-004-01	5079D-004-02	5079D-004-03



"WE TAKE THE LOAD OFF YOUR MIND"

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