

The LGPA is a low-profile tension/compression load cell designed to measure loads from 10klb to 50klb. Featuring a threaded center hole, it accommodates both compression and tension applications. It is available with a 4–20 mA output for easy integration with PLCs and industrial control systems.



FEATURES

- Capacities from 10klb to 50klb.
- Low profile design.
- Tension/compression.
- Output: 4-20mA.
- Stainless steel construction.
- Designed for easy installation.
- Environmental protection IP67.

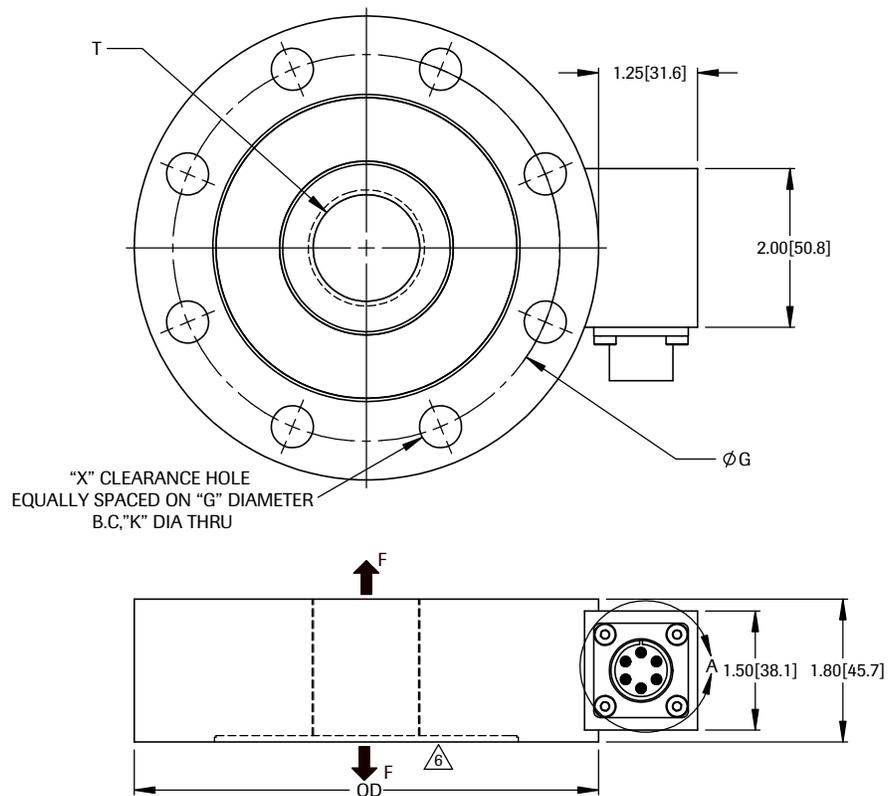
APPLICATIONS

- Cable tension measurement.
- Jet engine thrust measurement.
- Structural and industrial applications where space may be limited.

OPTIONS

- mV/V version is available.

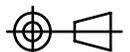
DIMENSIONS



Capacity (klb)	OD	ϕG	T	X	ϕK
10-15	5.45[138.5]	4.500[114.30]	1-14UNS	8	0.40[10.2]
20-50	5.85[148.5]	4.875[123.83]	1 1/2-12UN		0.53[13.5]

NOTES:

- 1) ARROW INDICATES THE POSITIVE LOADING DIRECTION.
- 2) ALL DIMENSIONS ARE IN INCH[MM].



pancake
5073
LGPA



SPECIFICATIONS

Model	LGPA		
Capacities	See table		
Non-linearity	%FS	$\leq \pm 0.10$	
Hysteresis	%FS	$\leq \pm 0.08$	
Creep @30min	%FS	$\leq \pm 0.07$	
Output @Zero load	mA	4.0 ± 0.5	
Output @Full load	mA	20.0 ± 1	
Temperature range			
	Operating	°C	-20 ~ + 65
Excitation voltage	VDC	12...30	
Safe overload limit	%FS	150	
Ultimate load	%FS	200	
Seal type	IP67		
Element material	Stainless steel		

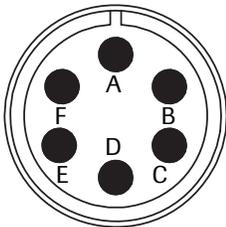
PART NUMBERS

Capacity (klb)	Part No.
10	5073-000-00
15	5073-001-00
20	5073-002-00
30	5073-003-00
50	5073-004-00

WIRING

Pin	Connection
A	+Supply
B	Common
C	N/C
D	N/C
E	N/C
F	Shield

PIN CONFIGURATION

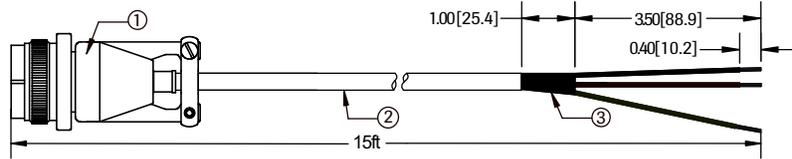


Connector : MS3102A-14S-6P.

ACCESSORIES

MAITING CABLE :

Part No. : xxxxxxxx.

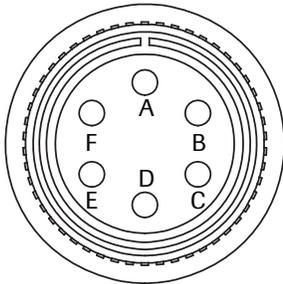


Cable Color Code :

Pin No	Connection	Color
A	+Supply	Red
B	Common	Black
C	N/C	-
D	N/C	-
E	N/C	-
F	Shield	Yellow

Item No	Description	Part No.
1	6 Position circular connector plug, female sockets solder cup	MS3106E-14S-6S
2	22AWG 4 Core black PVC cable	-
3	Black color shirk tube	-

Cable Pin Configuration :



"WE TAKE THE LOAD OFF YOUR MIND"

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