

The **LGP** 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 applications and tension applications.



FEATURES

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

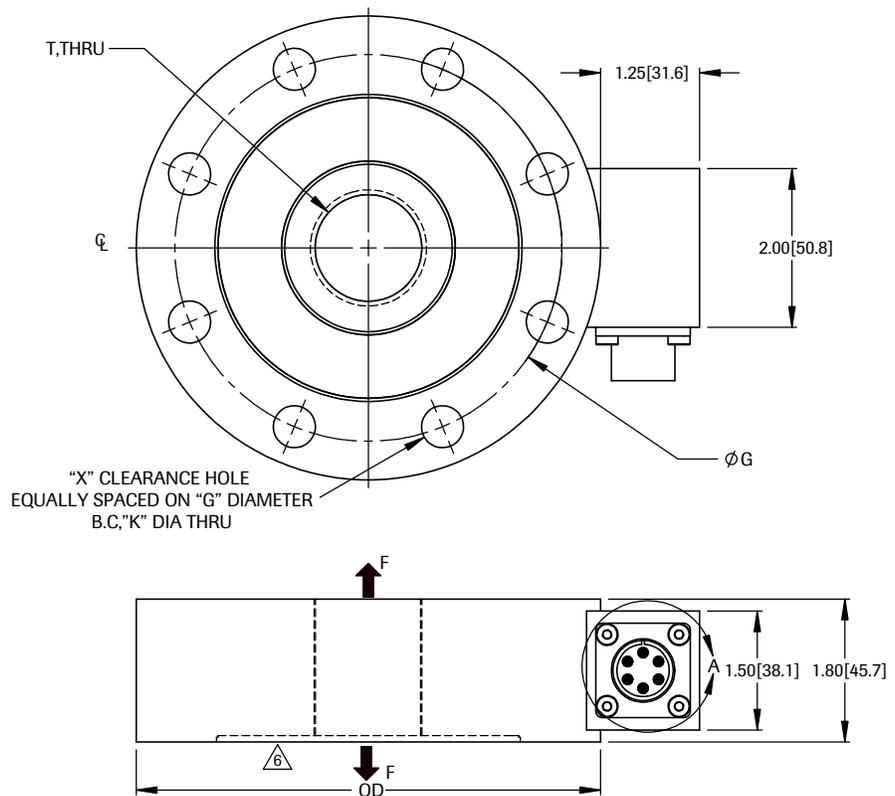
APPLICATIONS

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

OPTIONS

- Output: 4-20mA.

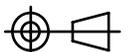
DIMENSIONS



Capacity (klb)	OD	ØG	T	X	ØK
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
5072
LGP



SPECIFICATIONS

Model		LGP	
Capacities		See table	
Full scale output (FS)	mV/V	3.0±0.1%	
Zero balance	%FS	≤±5	
Non-linearity	%FS	≤±0.1	
Hysteresis	%FS	≤±0.08	
Nonrepeatability	%FS	≤±0.03	
Creep @ 30min	%FS	≤±0.02	
Temperature effect			
	Output	%FS/10 °C	≤±0.04
	Zero	%FS/10 °C	≤±0.04
Temperature range			
	Compensated	°C	-10 ~ + 40
	Operating	°C	-20 ~ + 65
Terminal resistance			
	Input resistance	Ω	386±30
	Output resistance	Ω	350±5
Excitation voltage	VDC	5-15	
Insulation resistance @ 50VDC	MΩ	≥5000	
Safe overload limit	%FS	150	
Ultimate load	%FS	200	
Seal type	IP67		
Element material	Stainless steel		

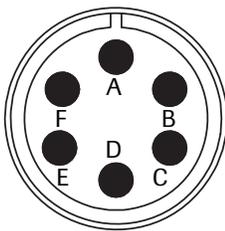
WIRING

Pin No	Connection	Color
A	Excitation +	Red
B	Signal +	Green
C	Signal -	Black
D	Excitation -	White
E	N/C	-
F	N/C	-

PART NUMBERS

Capacity (klb)	Part No.
10	5072-000-00
15	5072-001-00
20	5072-002-00
30	5072-003-00
50	5072-004-00

PIN CONFIGURATION

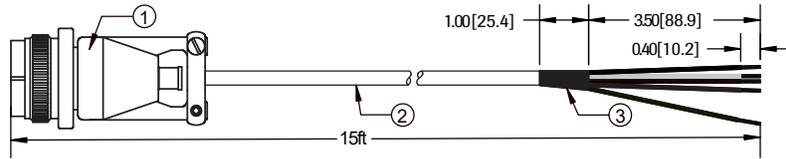


Connector : MS3102A-14S-6P.

ACCESSORIES

MAITING CABLE :

Part No. : 214609-LGP MAITING CABLE.



Cable Color Code :

Pin No	Connection	Color
A	Excitation +	Red
B	Signal +	Green
C	Signal -	Black
D	Excitation -	White
E	N/C	-
F	N/C	-
-	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 :

