

SG-LPX Series

Low Profile Compression



... better loadcells by design



Capacities: 0-100kg to 0-50t

Miniature compression type

Tool steel construction

Sealed and coated for environmental protection to IP67

Individually calibrated with test certificate supplied

Simple installation

Replaces similar low cost models

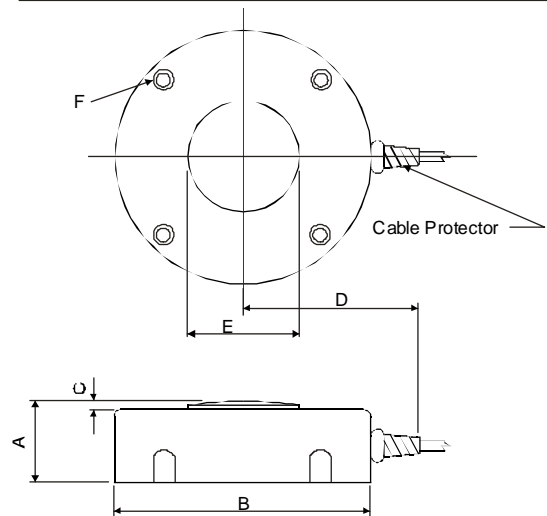
Specifications

Nominal Capacity	0-100kg to 0-50t
Nominal Output at capacity	2mV/V \pm 0.1%
Factory calibration mode	Compression
Linearity error	<0.1% FSO
Non-Repeatability	<0.07% FSO
Zero return/creep (30 mins)	<0.07%/<0.1% FSO
Temp effect span/10°C	<0.025% FSO
Temp effect zero/10°C	<0.025% capacity
Insulation resistance - bridge to ground	>5000M Ω
Insulation resistance - cable to ground	>1000M Ω
Compensated temperature range	-10° to 50°C
Output resistance	351 Ω nominal
Input resistance	410 Ω nominal
Service load	100% of capacity
Safe load	150% of capacity
Mechanical failure	300% of capacity
Recommended excitation	5V to 20V AC/DC
Maximum Excitation	25VDC
Environmental protection	IP67

All specifications are a maximum, as a % (\pm) of full load, unless otherwise stated

Capacity	Order Code
0-100kg	SG-LPX-100
0-250kg	SG-LPX-250
0-500kg	SG-LPX-500
0-1t	SG-LPX-1T
0-2.5t	SG-LPX-2.5T
0-5t	SG-LPX-5T
0-10t	SG-LPX-10T
0-25t	SG-LPX-25T
0-50t	SG-LPX-50T

SG-LPX	A	B	C	D	E	F
-100	22	52	4	30	10	M5x0.8 on 44 PCD
-250	22	52	4	30	10	M5x0.8 on 44 PCD
-500	22	52	4	30	10	M5x0.8 on 44 PCD
-1T	22	52	4	30	10	M5x0.8 on 44 PCD
-2.5T	25	52	4	30	10	M5x0.8 on 44 PCD
-5T	30	100	5	95	20	M6x1.0 on 85 PCD
-10T	35	100	5	95	20	M6x1.0 on 85 PCD
-25T	50	115	10	100	32	M12x1.75 on 90 PCD



LOPT_LPX-3.1-0

AMALGAMATED INSTRUMENT CO PTY LTD

ACN: 001 589 439

Unit 5, 28 Leighton Place Hornsby
NSW 2077 AUSTRALIA

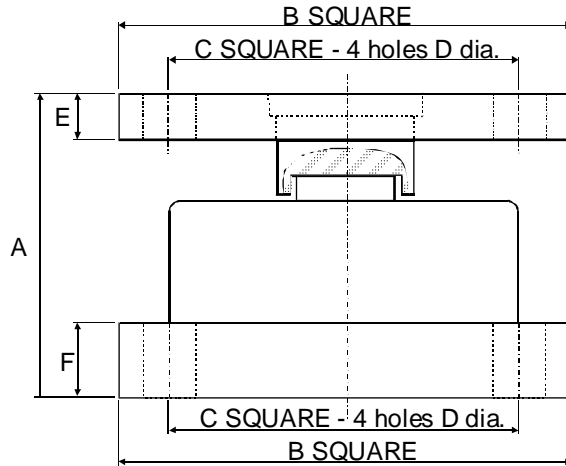
Telephone: +61 2 9476 2244
Facsimile: +61 2 9476 2902

e-mail: sales@aicpl.com.au
Internet: www.aicpl.com.au



LPX Series Accessories and Wiring Specifications

SG-LPX Mount Dimensions in mm



The complete mount is used with the **SG-LPX** in compression load applications.

SG-LPX	100kg	250kg	500kg	1t	2.5t	5t	10t	25t	50t
A	55	55	55	55	58	76	81	100	115
B	100	100	100	100	100	125	125	150	180
C	65	65	65	65	65	100	100	115	135
D	14	14	14	14	14	14	14	17	17
E	11.5	11.5	11.5	11.5	11.5	15	15	24	31
F	11.5	11.5	11.5	11.5	11.5	15	15	16	16

ACCESSORY PART CODE

For SG-LPX capacities: 100kg - 2.5t
Accessory Order Code: SG-MR-LPX-2

For SG-LPX capacities: 5t and 10t
Accessory Order Code: SG-MR-LPX-10

For SG-LPX capacity: 25t
Accessory Order Code: SG-MR-LPX-25

For SG-LPX capacity: 50t
Accessory Order Code: SG-MR-LPX-50

SG-LPX load cell accessories are quality items engineered from steel and plated to protect against corrosion. State load cell model and capacity when ordering load cell accessories.

WIRING SPECIFICATIONS

RED	+ Excitation
BLACK	- Excitation
GREEN	+ Signal
WHITE	- Signal
BROWN	+ Sense (6 core only)
BLUE	- Sense (6 core only)

CABLE LENGTH

Cable is 4 or 6 core silver grey quality PVC sheathed with screen and has a length as follows. A cable protector complements load cells with 6 core cable

SG-LPX	100kg-2.5t	3 metres 4 core
SG-LPX	5t-10t	5 metres 6 core
SG-LPX	25t-50t	10 metres 6 core

LOPT_LPX-3.1-0

AMALGAMATED INSTRUMENT CO PTY LTD

ACN: 001 589 439

Unit 5, 28 Leighton Place Hornsby
NSW 2077 AUSTRALIA

Telephone: +61 2 9476 2244
Facsimile: +61 2 9476 2902

e-mail: sales@aicpl.com.au
Internet: www.aicpl.com.au