





# **Model LPX**

#### LOW PROFILE MINI DISK LOAD CELL 25, 50, 100, 250, 500, 1000kg 2.5, 5, 10, 25, 50t

## **APPLICATIONS**

- Low profile platforms
- Hoppers & tank weighing
- Process weighing

- Hostile environments
- Industrial weighing
  - Mini disk applications



### **FEATURES**

- Miniature compression type
- Replaces similar low cost models
- Rugged tool steel construction \*25 & 50kg aluminium
- Designed for economical weighing
- Corrosion resistent electroless nickel plated

- Standard compression mount available
- Simple installation
- Sealed to IP67 standards
- ISO 9001 certified manufacturing facilities



### http://www.pt-global.com



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**Accessories** 

#### Ordering Information

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Model LPX-25 LPX-50 LPX-100 LPX-250 LPX-1000 LPX-2500 LPX-25000 LPX-10000 LPX-25000 LPX-25000		Part N LXM00 LXM01 LXM02 LXM05 LXM05 LXM05 LXM01 LXM02 LXM02 LXM05	umber 25700 50700 50700 50700 50700 00700 00700 00700 00700 00700 00700 00700	r 00XXX 00XXX 00XXX 00XXX 00XXX 00XXX 00XXX 00XXX 00XXX	_/			CABLE PROTECTOR (5t-50t)	th Ti or sie	ie <b>LPX</b> his mou n both t de restr	in comp int has con the top and raint is ac ng socker	ression l nvenient nd botto comoda	load ap bolt hol m plate ted by t	used with plications. les located es, integral the special
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Note: Or	'			nse				ell fixing holes s						
(2	5 kg-25	500kg 4	core)			A full range of	faccesso	ries is available,	please	contac	t us for	further	details	
		Lo	ad C	ell Di	imen	sions		Α	cces	sory	Dim	ensio	ns	
Capacity	Α	в	С	D	Е	F		Capacity	Α	в	С	D	Е	F
		-								_	<u> </u>			
25-1000kg	22	52	4	30	10	M5 x 0.8 on 44 PCD		25-1000kg	55	100	65	Ø 14	11.5	11.5
2.5t	25	52 52	4 4	30	0   0	M5 x 0.8 on 44 PCD		25-1000kg 2.5t	58	100 100	65 65	Ø 14	11.5	11.5
2.5t 5.0t	25 30	52 52 100	4 4 5	30 95	10 10 20	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD		25-1000kg 2.5t 5.0t	58 76	100 100 125	65 65 100	Ø 14 Ø 14	.5  5	.5  5
2.5t 5.0t 10.0t	25 30 35	52 52 100 100	4 4 5 5	30 95 95	10 10 20 20	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD		25-1000kg 2.5t 5.0t 10.0t	58 76 81	100 100 125 125	65 65 100 100	Ø 14 Ø 14 Ø 14	.5  5  5	.5  5  5
2.5t 5.0t 10.0t 25.0t	25 30 35 50	52 52 100 100 115	4 4 5 5 10	30 95 95 100	10 10 20 20 32	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI		25-1000kg 2.5t 5.0t 10.0t 25.0t	58 76 81 100	100 100 125 125 150	65 65 100 100 115	Ø 14 Ø 14 Ø 14 Ø 17	.5  5  5 24	.5  5  5  6
2.5t 5.0t 10.0t	25 30 35	52 52 100 100	4 4 5 5	30 95 95	10 10 20 20	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD		25-1000kg 2.5t 5.0t 10.0t	58 76 81	100 100 125 125	65 65 100 100	Ø 14 Ø 14 Ø 14	.5  5  5	.5  5  5
2.5t 5.0t 10.0t 25.0t	25 30 35 50	52 52 100 100 115	4 4 5 5 10	30 95 95 100 125	10 10 20 20 32 45	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI	CD	25-1000kg 2.5t 5.0t 10.0t 25.0t 50.0t	58 76 81 100 115	100 100 125 125 150	65 65 100 100 115	Ø 14 Ø 14 Ø 14 Ø 17	.5  5  5 24	.5  5  5  6
2.5t 5.0t 10.0t 25.0t	25 30 35 50	52 52 100 100 115	4 4 5 5 10	30 95 95 100 125	10 10 20 20 32 45	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI M12 x 1.75 on 130 PC	CD nd capaciti	25-1000kg 2.5t 5.0t 10.0t 25.0t 50.0t ies are in kgs/met	58 76 81 100 115	100 100 125 125 150	65 65 100 100 115	Ø 14 Ø 14 Ø 14 Ø 17	.5  5  5 24	.5  5  5  6
2.5t 5.0t 10.0t 25.0t 50.0t	25 30 35 50 55	52 52 100 100 115	4 4 5 5 10	30 95 95 100 125 Dime	10 10 20 20 32 45 ensions	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI M12 x 1.75 on 130 PC are shown in millimeters an Specifica	CD nd capaciti	25-1000kg 2.5t 5.0t 10.0t 25.0t 50.0t ies are in kgs/met	58 76 81 100 115	100 100 125 125 150	65 65 100 100 115	Ø 14 Ø 14 Ø 14 Ø 17 Ø 17	.5  5  5 24 3	.5  5  5  6
2.5t 5.0t 10.0t 25.0t 50.0t	25 30 35 50 55	52 52 100 100 115 155	4 5 5 10 12	30 95 95 100 125 Dime	10 10 20 20 32 45 ensions	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI M12 x 1.75 on 130 PC are shown in millimeters an <b>Specifica</b>	CD nd capacita <b>ations</b>	25-1000kg 2.5t 5.0t 10.0t 25.0t 50.0t ies are in kgs/met stance	58 76 81 100 115	100 100 125 125 150	65 65 100 100 115 135	Ø 14 Ø 14 Ø 14 Ø 17 Ø 17	11.5 15 15 24 31	.5  5  5  6
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2.5t 5.0t 10.0t 25.0t 50.0t Nominal capa Nominal outp	25 30 35 50 55 acity put at o	52 52 100 100 115 155	4 5 5 10 12	30 95 95 100 125 Dime 25 2.0 co 0.	10 10 20 20 32 45 ensions kg to 5 0 mV/V mpress 1%	M5 x 0.8 on 44 PCD   M6 x 1.0 on 85 PCD   M6 x 1.0 on 85 PCD   M12 x 1.75 on 90 PCI   M12 x 1.75 on 130 PC   are shown in millimeters an   Specifica   50000kg In   50000kg Sion   Sion S	CD nd capaciti <b>ations</b> Input Resi Service Lc	25-1000kg 2.5t 5.0t 10.0t 25.0t 50.0t ies are in kgs/met stance bad	58 76 81 100 115	100 100 125 125 150	65 65 100 115 135 410 ohr 100% c 150% c > 300%	Ø 14 Ø 14 Ø 17 Ø 17 Ø 17	II.5 I5 24 3I nal ity ity acity	.5  5  5  6
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2.5t 5.0t 10.0t 25.0t 50.0t Nominal capa Nominal outp Factory calibr Linearity erro Repeatability Zero return, o Temperature Insulation Res	25 30 35 50 55 acity tration r r creep ( Effect Effect istance	52 52 100 100 115 155 capacity mode 30 mins on Spar on Zero - brg. t	4 4 5 5 10 12 ) /10° C o/10° C o/10° C	30 95 95 100 125 Dime 25 2.0 2.0 0. 0. 0. 0. 0. 3. 0. 2. 0. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	10 10 20 32 45 ensions kg to ! 0 mV/V mpress 1% 07% 07% 01% 01% 07% 5000 M	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI M12 x 1.75 on 130 PC are shown in millimeters an Specifica 50000kg In 50000kg In 500000kg In 500000kg In 50000kg In 500000kg In 50000kg In 500000kg In 500000kg In 500000kg In 50000kg In 50000kg In 500000kg In 50000kg In 500000kg In 5000000kg In 500000kg In 5000000kg In 5000000kg In 500000kg In 5000000	CD ations Input Resi Service Lo Safe Load Mechanica Recomme Maximum Cable Typ	25–1000kg 2.5t 5.0t 10.0t 25.0t 50.0t ies are in kgs/met stance bad al Failure nded Excitation Excitation	58 76 81 100 115	100 100 125 125 150 180	65 65 100 100 115 135 410 ohr 100% c 150% c > 300% 5V to 2 25V dc 4 or 6 c 25kg-2 5t-10t	Ø 14 Ø 14 Ø 14 Ø 17 Ø 17 Ø 17 Ø 17 Ø 17 Ø 17 Ø 17 Ø 17	II.5 IS 24 31 nal ity ity acity c r scree Metres Metres	11.5 15 16 16 16 s 4 Core s 6 Core
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2.5t 5.0t 10.0t 25.0t 50.0t Nominal capa Nominal outp Factory calibr Linearity erro Repeatability Zero return, o	25 30 35 50 55 out at o ration r r creep ( Effect Effect istance istance temp.	52 52 100 100 115 155 capacity mode 30 mins on Spar on Zero - brg. t - cbl. to	4 4 5 5 10 12 ) /10° C o/10° C o/10° C	30 95 95 100 125 Dime 25 2.0 2.0  0 0 2.0  2.0  2.1  2.1	10 10 20 20 32 45 ensions kg to ! 0 mV/V mpress 1% 07% 07% 01% 07% 01% 07% 01% 07% M 01% 07% To to	M5 x 0.8 on 44 PCD M6 x 1.0 on 85 PCD M6 x 1.0 on 85 PCD M12 x 1.75 on 90 PCI M12 x 1.75 on 130 PC are shown in millimeters an Specifica 50000kg In ± 0.1% S ion S 0 1 ohms I ohms	CD nd capacitu ations Input Resi Service Lo Safe Load Mechanica Recomme Maximum Cable Typ Cable Ler	25–1000kg 2.5t 5.0t 10.0t 25.0t 50.0t ies are in kgs/met stance bad al Failure nded Excitation Excitation	58 76 81 100 115	100 100 125 125 150 180	65 65 100 100 115 135 410 ohr 100% c 150% c > 300% 5V to 2 25V dc 4 or 6 c 25kg-2 5t-10t	Ø 14 Ø 14 Ø 14 Ø 17 Ø 17 Ø 17 Ø 17 of capac of capac to 100 000 ac/d	II.5 IS 24 31 nal ity ity acity c r scree Metres Metres	11.5 15 16 16 16 s 4 Core s 6 Core

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



Manufactured in New Zealand