

LWPF2 PRESS FORCE LOAD CELL (U.S. & METRIC)

FEATURES & BENEFITS

- Capacities from 100 kN to 600 kN
- Short height
- Large thru-hole
- For press-force monitoring

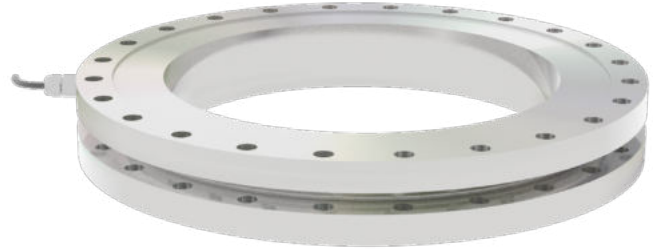
SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Nonlinearity – %FS		±0.5
Hysteresis – %FS		±0.5
Nonrepeatability – %RO		±0.1
Creep, in 30 min – %		±0.1
TEMPERATURE		
Effect on Zero – %RO / deg	°C	±0.02
Effect on Output – % / deg	°C	±0.02
Compensated Range	°C	0 to +60
	°F	0 to +140
Operating Range	°C	-10 to +70
	°F	+14 to +158
ELECTRICAL		
Output – mV/V		1 ±20%
Excitation Voltage – VDC		2 - 12
Bridge Resistance – Ohm		700
Electrical Connection – Cable	m	3
	ft	10
MECHANICAL		
Safe Overload – %RO		150
Deflection at Rated Capacity	mm	< 0.15
	in	< 0.006
IP Rating		IP60
Material		Stainless steel / Aluminum

OPTIONS

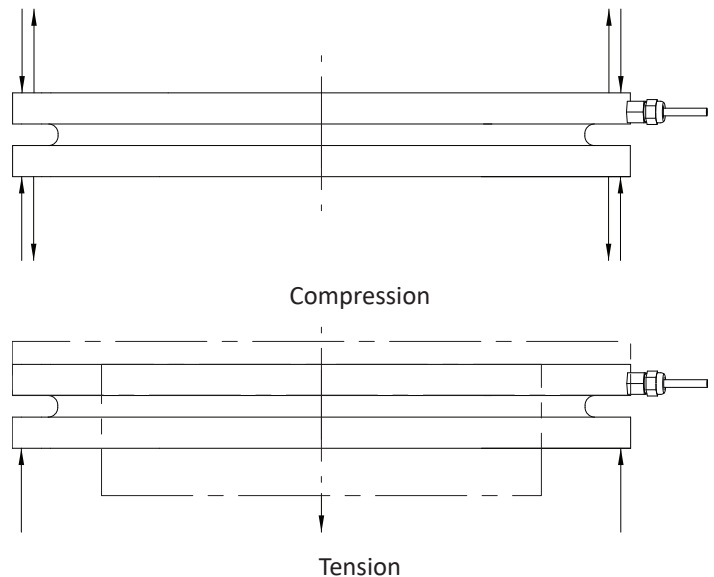
- Extended temperature range (-40 to +150°C or -40 to +302°F)
- Internal Shunt Resistor – 100% output

STANDARD CONFIGURATION



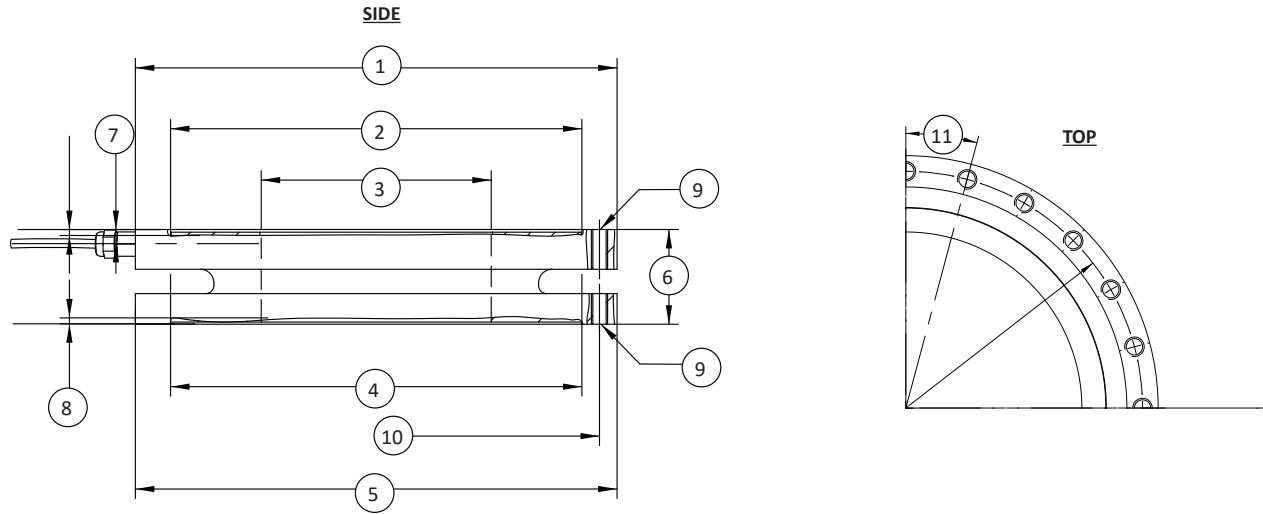
Model LWPF2 (shown)

LOADING DIAGRAM



Note: Loading on this transducer must take place through connections with the mounting holes

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DIMENSIONS

See Drawing	CAPACITY									
	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)
	mm	in	mm	in	mm	in	mm	in	mm	in
(1)	Ø178	Ø7.0	Ø196	Ø7.7	Ø258	Ø10.2	Ø258	Ø10.2	Ø320	Ø12.6
(2)	Ø152	Ø6.2	Ø170	Ø6.7	Ø226	Ø8.9	Ø226	Ø8.9	Ø266	Ø10.5
(3)	Ø85	Ø3.3	Ø120	Ø4.7	Ø180	Ø7.1	Ø170	Ø6.7	Ø205	Ø8.1
(4)	Ø152	Ø6.0	Ø170	Ø6.7	Ø226	Ø8.9	Ø226	Ø8.9	Ø266	Ø10.5
(5)	Ø178	Ø7.0	Ø196	Ø7.7	Ø258	Ø10.2	Ø258	Ø10.2	Ø320	Ø12.6
(6)	35	1.4	35	1.4	35	1.4	45	1.8	60	2.4
(7)	5.4	0.21	7	0.3	8	0.3	8	0.3	12.5	0.5
(8)	1	0.04	1	0.04	1	0.04	1	0.04	1	0.04
(9)	M6x24		M8x24		M10x24		M12x24		M16x24	
(10)	Ø165	Ø6.5	Ø182	Ø7.2	Ø242	Ø9.5	Ø242	Ø9.5	Ø290	Ø11.4