

## Load Measuring Pin General Specification

### Model – LMP

Capacity	1 - 100 Tonnes
Linearity	>0.2%
Hysteresis	<0.2%
Creep	<0.3%
Accuracy	>0.2%
Excitation	<10 V DC
Output	1.00mV/V nominal
Nominal dia	-0.02 -0.04 unless otherwise stated
Resistance:	
Input	760 +/- 8% Ohms
Output	700 +/- 0.5% Ohms
Overload:	
No damage	150%
Ultimate overload	600% nominal
Thermal effects	<0.005% / degree C on output or zero shift
Termination	3106A 14S 6S 300

### Pin Sequence

A= + Excitation. Red	B = + Sense
C= - Excitation. Black	D = - Sense
E = - Signal white	
F = + Signal green	

- LMP orientation: Always keeper slot to top provides correct polarity.
- Ensure center section is not mechanically shunted across the waist grooves.
- Ensure center section has no friction to side plates.
- Ensure there are no axial forces applied to the LMP and the keeper plate has clearance in slot and does not apply pressure to the LMP at any time, especially under load.
- The 630 stainless steel LMP is heat treated to 44-52 HRC.