MLP21

Pin Type Double Ended Shear Beam Load Cell

Features

- High Measuring Accuracy
- Load Measurement Range of 20 - 800kN
- Compact and Rugged Model
- Steel Alloy Material
- Welded Sealing

Description

MLP21 series with steel alloy material is a rugged and accurate load cell suitable for tension-compression load measurement. This pin type double ended shear beam load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing. MLP21 is available in standard ranges from 20kN to 800kN with an output of mV/V.

While the standard Precision is 0.5% FS, you can optionally get the precision of 0.2% FS. The robust construction of MLP21 with its high performance makes it ideal for demanding long term applications.

Applications

- Crane weighing system
- Rope load measurement
- Mechanical scale conversion
- Hanging Scales
- General cable overload monitoring systems
- Belt tension measurement

Technical Specifications

- **Capacity:** 20, 30, 50, 100, 200, 300, 500, 800kN or other ranges
- **Output:** 2.0 ± 0.01mV/V
- **Precision:** 0.5% FS (standard), 0.2% FS (combined LRH error)
- **Creep:** ±0.2% FS / 30min
- **Overload rating:** 150% FS
- **Excitation:** 5 to 15 VDC
- **Zero unbalance:** ±1.5% FS
- **Protection:** IP66 or optional IP67
- **Compensated temp. range:** -10 to 55°C
- **Operating temp. range:** -35 to +70°C
- **Temp. coefficient of zero:** 0.1% FS /10°C
- **Temp. coefficient of span:** 0.1% FS /10°C
- **Input resistance:** 410±30Ω
- **Output resistance:** 350±10Ω
- **Insulation resistance:** ≥ 5000MΩ @ 50VDC
- **Electrical connection:** 4-core shielded cable and length=5m or others

MeasureX Pty Ltd
U14, 42 Garden Boulevard, Melbourne
VIC, 3172, Australia

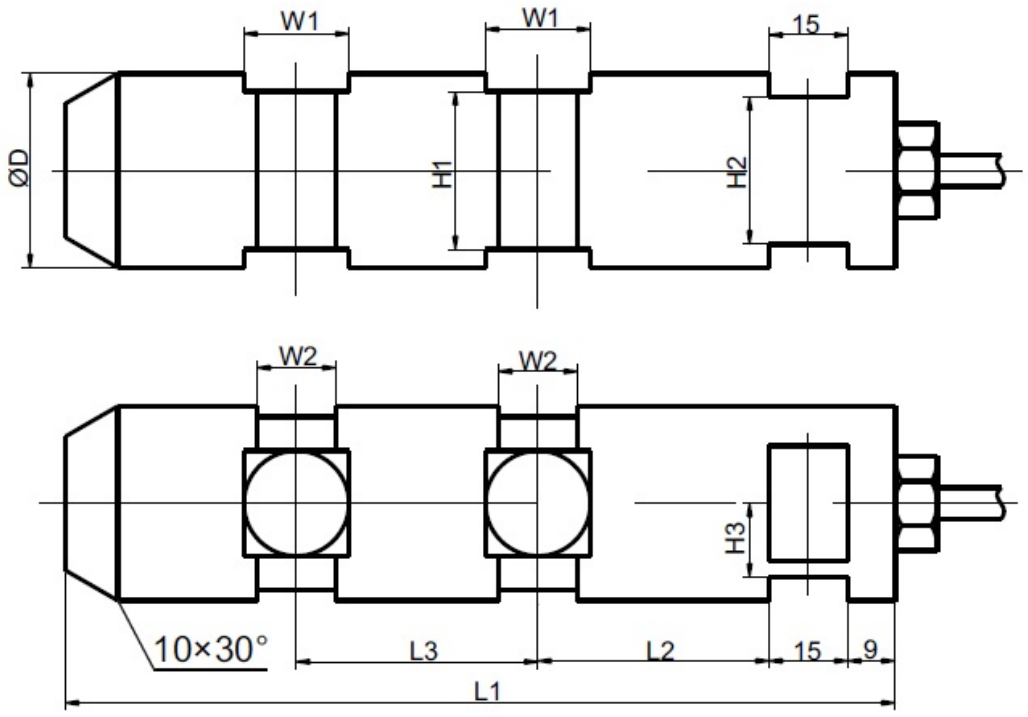
Tel: +61 3 9558 2420
email: Sales@MeasureX.com.au
Website: www.MeasureX.com.au

MLP21

Pin Type Double Ended Shear Beam Load Cell

MeasureX

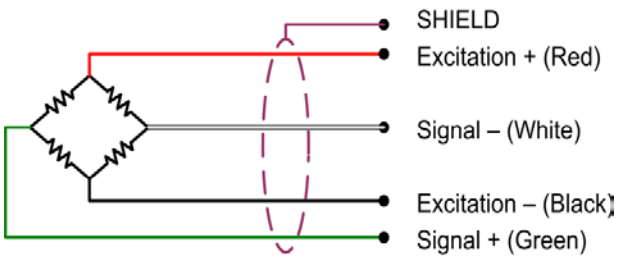
Dimensions



Dimensions are in mm

Capacity (kN)	L1	L2	L3	H1	H2	H3	D	W1	W2
20	158	44	46	30	28	14	37	20	15
30	158	44	46	30	28	14	37	20	15
50	158	44	46	30	28	14	37	20	15
100	158	44	46	41	38	12.5	50	20	15
200	245	44	121	57	54	25	70	32	27
300	285	52	145	80	76	37	95	32	27
500	285	52	145	80	76	37	95	32	27
800	285	52	145	92	88	44	108	32	27

Connection Diagrams



Note: *All specifications are subject to change without prior notice*

Ver. 5.1-12/11

MeasureX Pty Ltd
U14, 42 Garden Boulevard, Melbourne
VIC, 3172, Australia

Tel: +61 3 9558 2420
email: Sales@MeasureX.com.au
Website: www.MeasureX.com.au