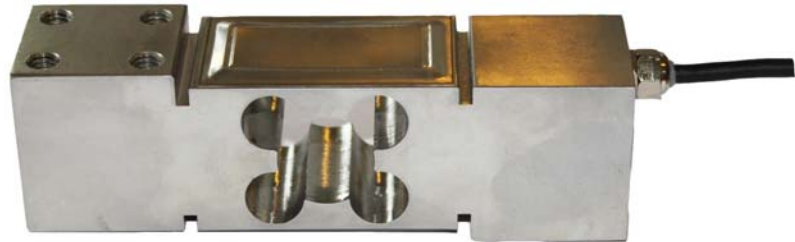
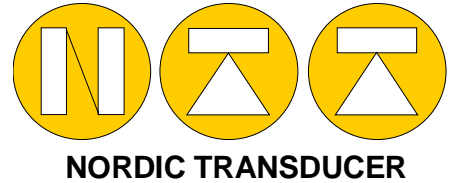


# PL50 Single Point Load Cell Stainless Steel Welded / or Tool Steel



The PL-50 is a high Accuracy single point load cell which we can deliver in different classes in Stainless Steel welded version from 50kg up

## SPECIFICATIONS PL-50

NOMINAL LOAD in kg	25*, 50, 75, 100, 150, 200, 250 kg		
Accuracy class according to:	OIML R60 - C4 ( steel model as C6)		
Combined Error	< +/- 0.02%		
Non Repeatability	< +/- 0.01%		
Y = Emax/Vmin =	1/12000		
Creep Error ( 30 Minutes)	< +/- 0.0245%		
Linearity & Hysteresis	< +/- 0.020 %S.		
Temp. effect on Min Dead Load	< +/- 0.03 %S/10 °C		
Temp. effect on sensitivity	< +/- 0.008 %S/10 °C		
NOMINAL SENSITIVITY +/-0.1	2mV/Volt		
INPUT RESISTANCE	390 Ohm +/-5		
OUTPUT RESISTANCE	350 Ohm +/-5	DISPLACEMENT N.LOAD	0.20-0.24
SUPPLY VOLTAGE N.10V	5 - 15 Volt	NOMINAL TEMP. RANGE	-10/+40 °C
		SERVICE TEMP. RANGE	-20/+70 °C
MECHANICAL LIMIT VALUES RELATED TO NOMINAL LOAD	PROTECTION CLASS		IP68 /67
	PLATFORM SIZE		500x500mm
	CELL MATERIAL Stainless		DIN 1.4542
	CABLE ( 4 wire ) LENGTH		5 meter
	FIXING SCREWS		M6
	Tightening torque		8Nm
	a) minimum dead load	0%	
b) service load	120%		
c) max. permissible load	150%		
d) breaking load	>300%		
e) max. side load	75%		
f) max. dynamic load	75%		

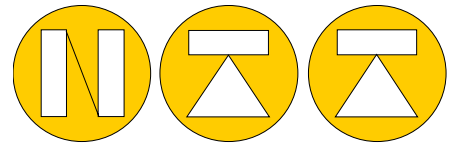
All specifications subject to change without notice

Tool Steel model: 25kg NON approved, 50 - 250kg C3-C6 approved, all IP67 \*\*

Stainless Steel model: 25kg NON approved\*\* 50 - 250kg C3-C4 approved, all IP68 Welded

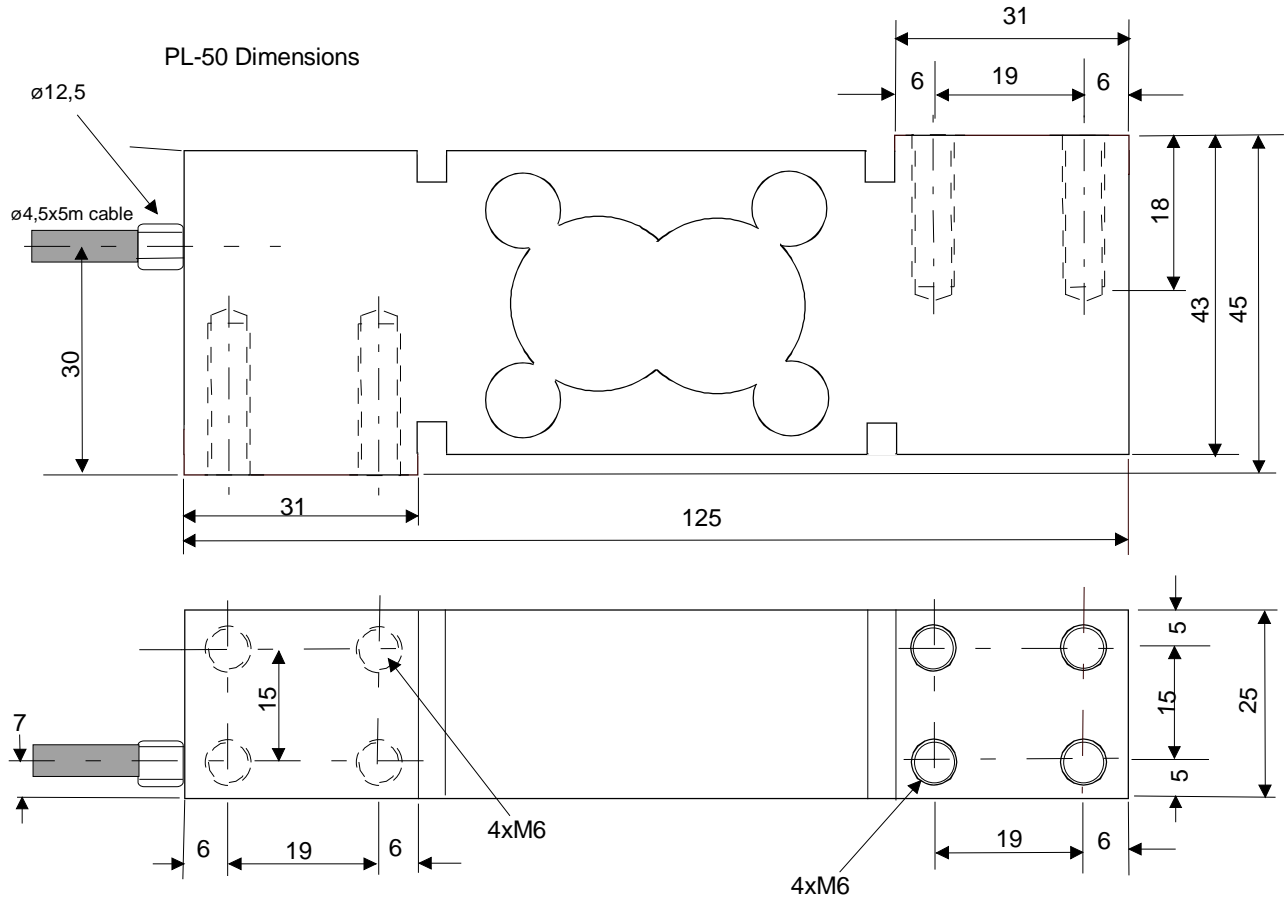
\*\* IP67 Potted

# PL-50 Platform Load Cell



NORDIC TRANSDUCER

## Dimensions in mm



**Connections:**

Red = + Input	Black = - Input
Green = + Output	White = - Output
Yellow = + Sense	
Blue = - Sense (Sense only as option at order time)	

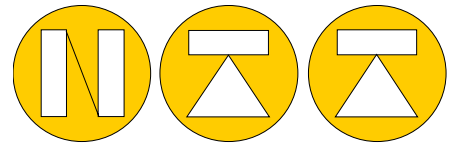


For other type of jobs please take a look at these ranges of cells covering from 10kg (Type BL) to 1000kg type BS-1 & BS-2

From class CC to C4, C5, C6 depending on type.

The dynamic reaction is also very good for this type of cells.

**Nordic Transducer** Als Oddevej 85 DK-9560 Hadsund Danmark  
Tlf. +45 98 58 14 44 fax. +45 98 58 18 66 e-mail: [ntt@ntt.dk](mailto:ntt@ntt.dk) WEB: [www.ntt.dk](http://www.ntt.dk)

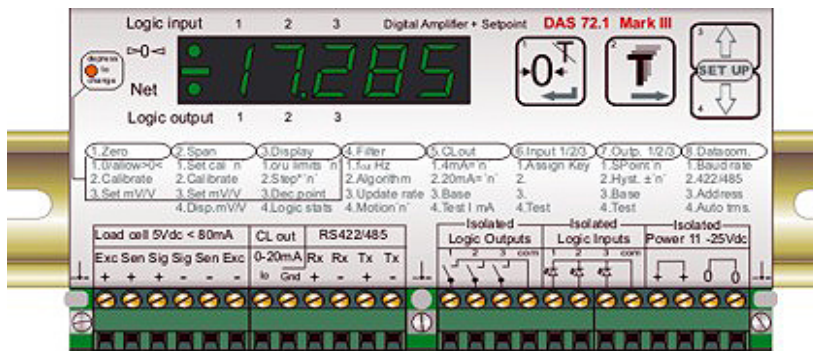


**NORDIC TRANSDUCER**

High speed electronic for use in connection with PL50 load cells



LAU63.1 analogue excitation unit with 3300 Hz speed +/- 10Volt out

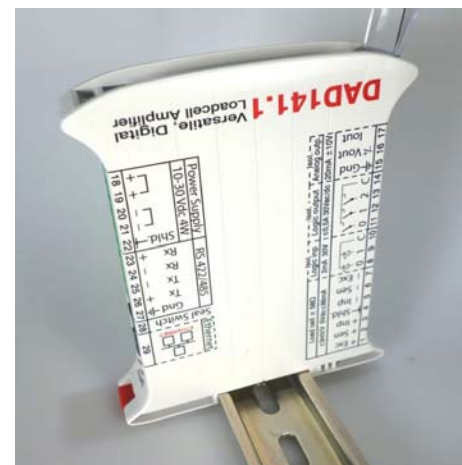


**DAS72.1 MKIII**

Internal A/D update rate 2600 per sec.

Analogue max. output rate 600 per sec.

RS422/485 output rate from 50--600 per sec. depending on filter settings,



**DAD 141.1** OIML approved unit for fast checkweigher or filling machine jobs with up to 2600 updates/second at any mode, on command !

RS422/485 & Ethernet Port & 16 Bit analog output with I/O functions

**Nordic Transducer** Als Oddevej 85 DK-9560 Hadsund Danmark  
 Tlf. +45 98 58 14 44 fax. +45 98 58 18 66 e-mail: [ntt@ntt.dk](mailto:ntt@ntt.dk) WEB: [www.ntt.dk](http://www.ntt.dk)