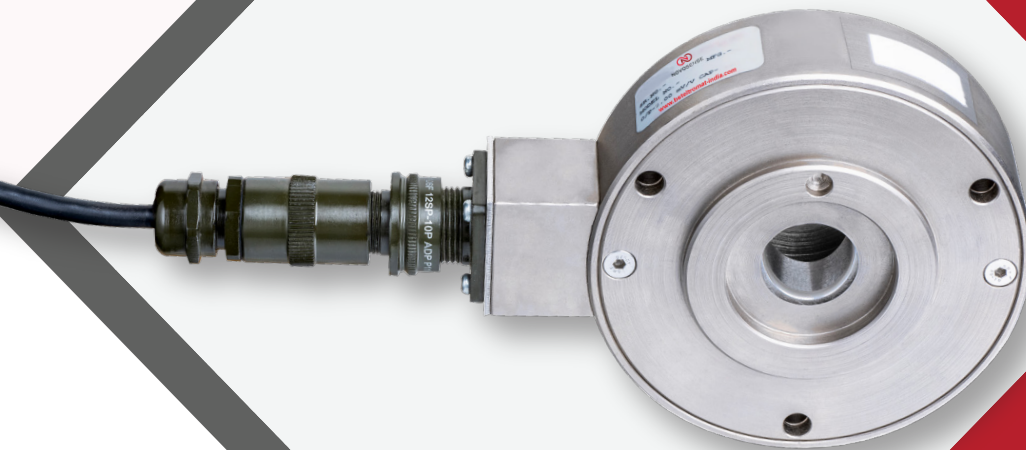


BST INDIA


NOVOSENSE



LOAD CELL

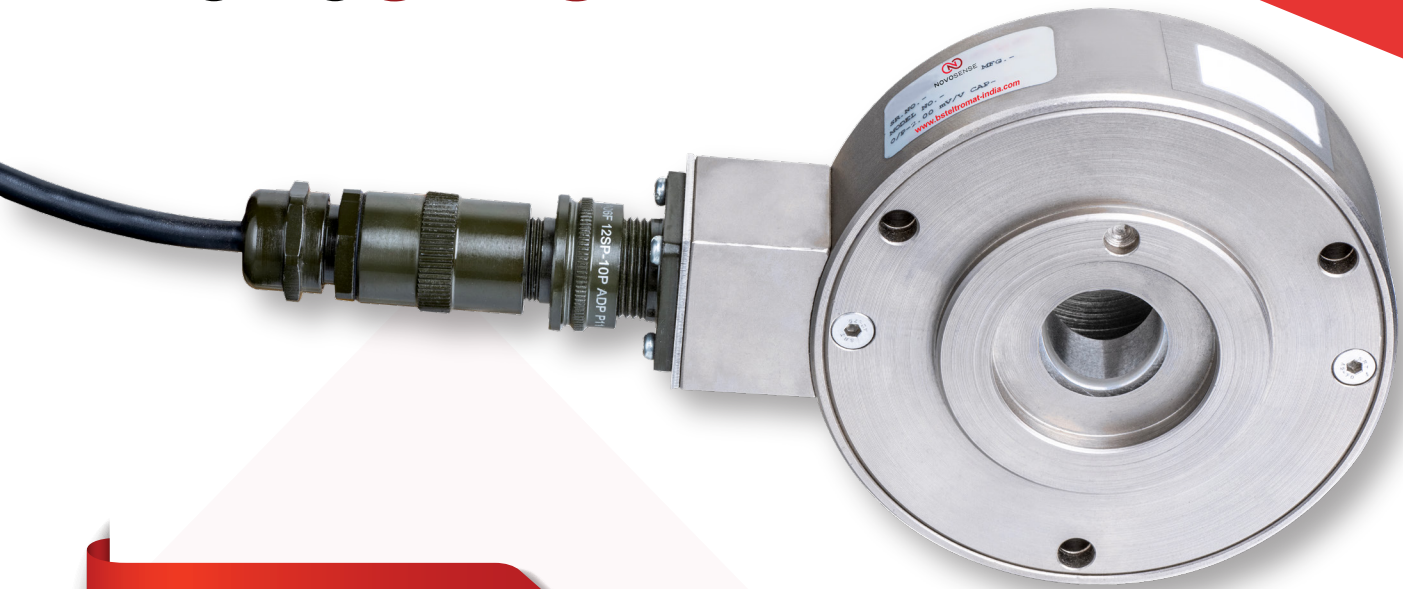
**Accurate Sensing,
Optimum Control.**

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NOVOSENSE

Load Cell



DESCRIPTION

NOVOSENSE is a strain gauge-based load cell known for its excellent handling and linearity performance. It features robust surface protection through nickel plating.

APPLICATIONS

It is designed to measure web tension on most type of web processing machinery used in converting, Plastic film, Printing, Textile & Other industries.

KEY FEATURES

- Up-to tenfold overloading
- Self-aligning bearing
- Different shaft diameter
- Nickel Plated surface ensuring maximum protection.



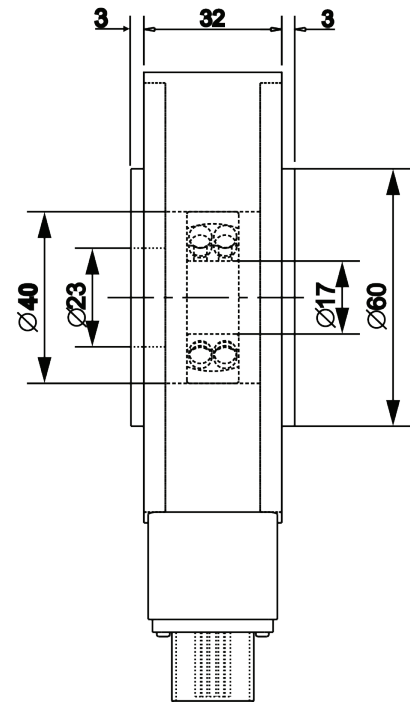
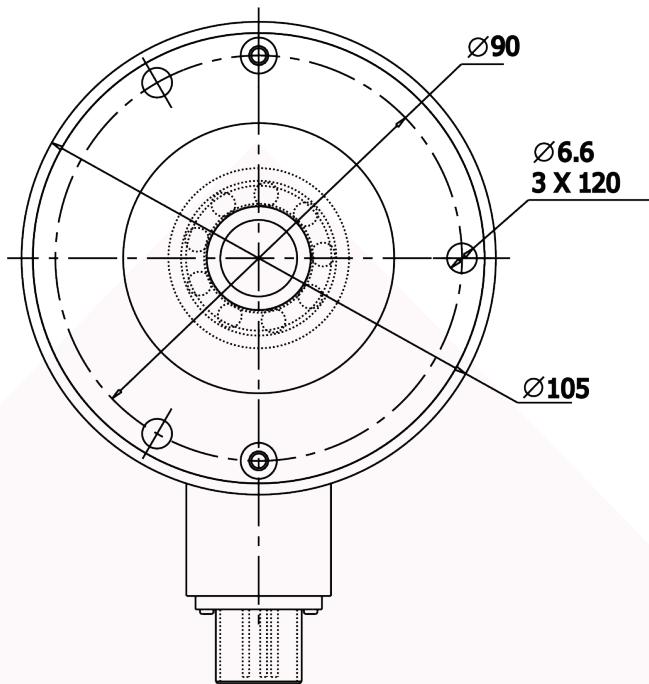
NOVOSENSE

SPECIFICATION

Rated capacity (Kgf.)	10, 25, 50, 75, 100
Excitation Voltage	10VDC-Maximum 15 VDC
Rated Output	1.0 mV/V
Non – Linearity	< ± 0.2 % FSO (Full scale Output)
Hysteresis	< ± 0.02 % FSO
Non-Repeatability	< ± 0.1 % FSO
Creep error (30 minutes)	< ± 0.03 % FSO
Zero Load Output	± 1.0 % FSO
Input Resistance	375 $\pm$ 15 Ohms
Output Resistance	350 $\pm$ 5 Ohms
Insulation Resistance	> 1000 Mega Ohms
Safe Overload	150 % of Rated Capacity
Ultimate Overload	250 % of Rated Capacity
Temperature Compensated Range	0 to 60° C
Temperature Effect on Output	< 0.04 % FSO/° C
Temperature Effect on Zero	< 0.04 % FSO/° C
Deflection	< 0.5 mm at FSO
Finish & Construction	Electroless Nickel Plated Tool Steel

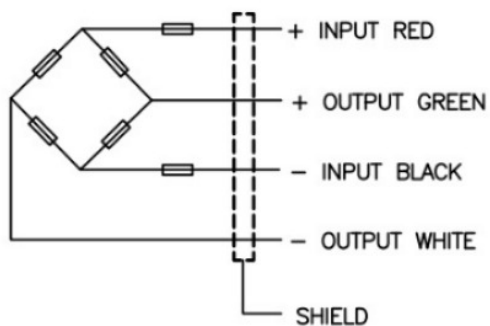


NOVOSENSE



Electrical Termination

Electrical Termination

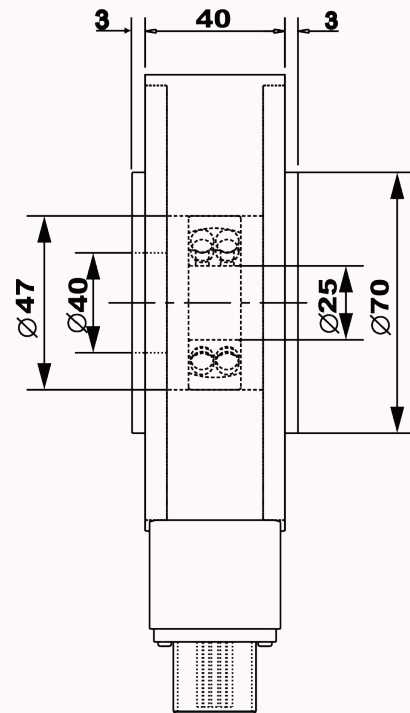
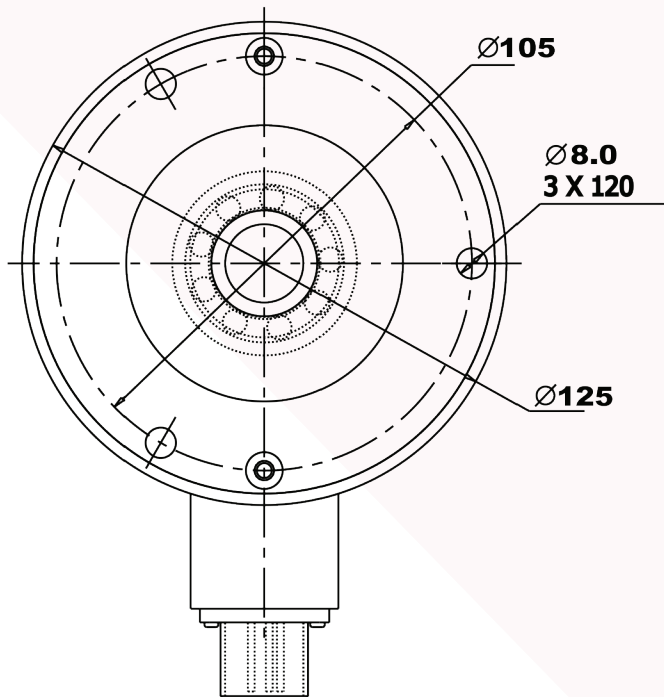


BEARING SIZE			
ID	OD	WIDTH	BEARING NO
17	40	12	1203S

Note: All dimensions are in mm

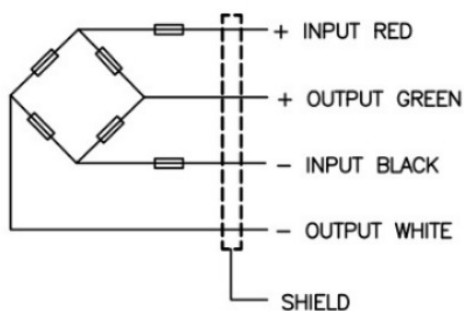


NOVOSENSE



Electrical Termination

Electrical Termination



BEARING SIZE			
ID	OD	WIDTH	BEARING NO
25	47	40	1204S

Note: All dimensions are in mm



NOVOBOOST NB-90K



SPECIFICATION

Indication	6 Digits with auto polarity Red Led Display 12.5mm character height
Input Calibration	LOAD CELL upto 8 nos
Load Cell Excitation	Provided 3.3 VDC (Approx)
Range & Resolution	Can Set upto 50000/100000 counts
Indicating Accuracy	± 0.05 of full scale
Zero	Full range key switch provided
Kgf./Newton	Selectable
Size	92mm(w) x 46mm(h) panel cutout with 125mm depth Basel Size 96mm(w) x 48mm(h) ABS box

APPLICATIONS

- Weight System
- Crane overload protection system
- Batching plant
- Auto feeding system
- Packaging machine
- Tank, Silo & Hopper weighment

KEY FEATURES



NOVOBOOST

- Advanced intelligent microcontroller, Delta Sigma ADC based design
- Universal Power (SMPS) 90–265 AC, 50/60 Hz
- Drift Free Stable and noise immune output
- 2 Relays with 1 NO contact provided for alarm & trip can set logically
- RS 485 Modbus RTU Protocol provided for communication with PLC, HMI, Computer and many more
- Model NB-90K-A for 4–20 mA output
- Model NB-90K-V for 0–10 VDC output
- Input start signal provided for Batching Process
- Remote Display o/p provided for large size visual
- 20 point calibration available (optional)



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