



LYNX

LOAD CELLS AMPLIFIER WITH FIELDBUS

**PROFI**
NET**EtherCAT**

- ✓ Quick and easy installation
- ✓ High reliability
- ✓ Single or double load cell channel
- ✓ Fieldbus communication ProfiNET o EtherCAT (optional)
- ✓ Compact design
- ✓ Installation on a DIN guide
- ✓ Ease of use and calibration
- ✓ mV or mA inputs
- ✓ Analogue output in V or mA with many selectable range
- ✓ Auxiliary output 0÷10 Vdc

Lynx is a digital load cells amplifier microprocessor controlled, with a very compact size and easy to calibrate and use. It is usually used on flexographic and rotogravure machines, slitter rewinders, etc. to amplify the signal coming from the load cells.

Its HW/SW configuration cuts signal processing times and allows up to four load cells to be connected.

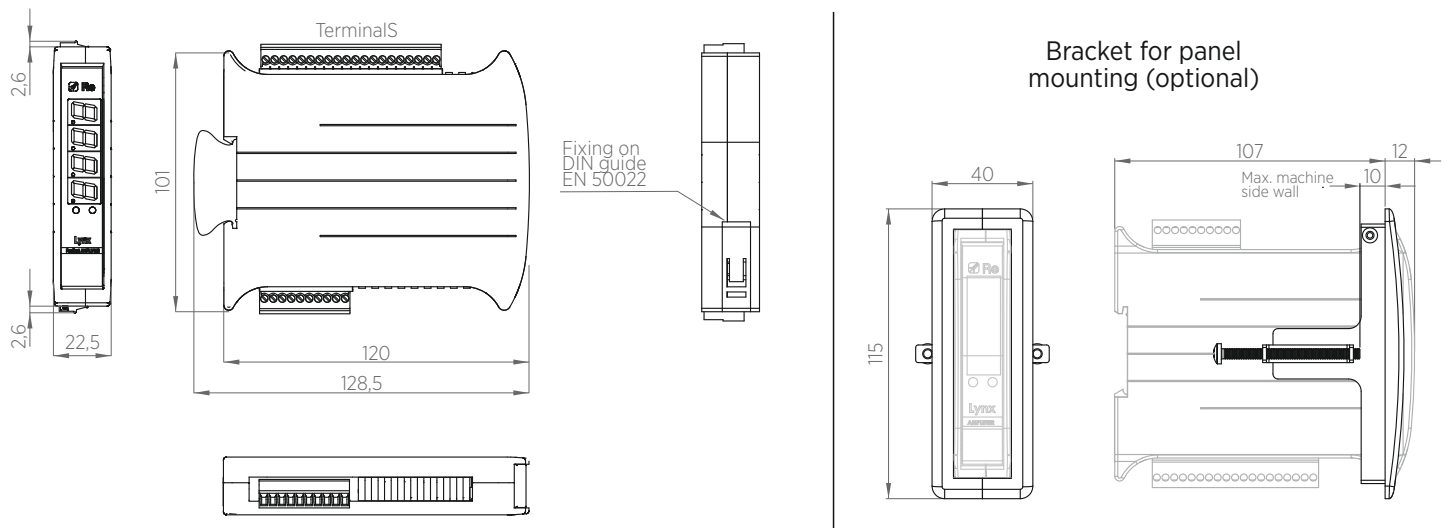
Lynx is equipped with 4 buttons for the calibration and programming and 4 digits display that shows the selected function or the web tension value.

Lynx can be used for controlling a single load cells station or for two load cells stations using a single device.

Moreover, thanks to the fieldbus (ProfNET or EtherCAT protocols) it can be controlled and connected to a PLC or PC.

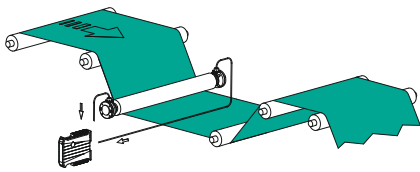
The load cells input can be selected in voltage (mV) or current (mA) using the proper function; at the same, the outputs for connecting Lynx to the PLC, can be selected in voltage (V) or current (mA) with a wide range of selectable outputs.

TECHNICAL DRAWING

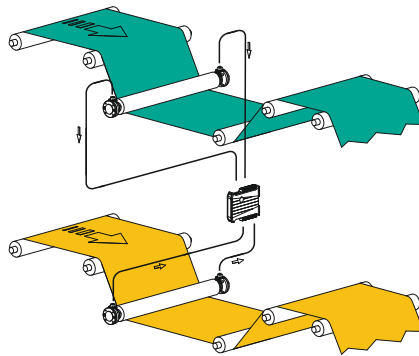


APPLICATIONS

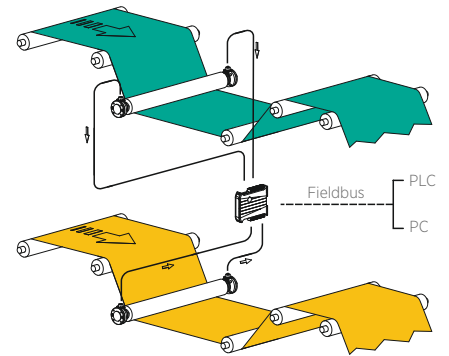
Lynx single station of load cells



Lynx double station of load cells



Lynx double station of load cells and fieldbus communication



TECHNICAL DATA

Power supply	24 Vdc (20-28 Vdc max)	
Consumption	< 300 mA	
Working temperature	0÷50° C	
Analogue inputs	0÷80 mV o 0÷50 mA	
Analogue outputs for regulation	Selectable range	0÷5V; 0÷10V; 4÷20mA; 0÷20mA; 0÷24mA
	Update speed	8 kHz
Auxiliary outputs	0÷10V with adjustable digital filter	
Digital outputs	2 digital relay for alarms	60 V / 500 mA max
Digital inputs	2 opto-isolated digital inputs	24 Vdc open collector
Max connected load cells	8 (for each channel)	

*Data are subject to technical change without notice



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