

LOADCELLS

Puretronics presents LOADCELLS for various automation applications to cover most of the automation in converting or process machines. Measurement of the tension value of all materials including paper, cardboard, plastic film, foil, rubber and wire. Precision measurements of web tension is essential to ensure consistent product quality and to maximize productivity. Different models are available to meet the requirement like Flat type, Round type and Round Hollow type.

APPLICATION EXAMPLE



AR 85-20 / 50 Kg

TYPE OF LOAD CELLS

TYPE	MODEL NO.	CAPACITY	SHAFT OD	MOUNTING	SIGNAL OUTPUT
Round	AR-85-20-17	5kg to 50kg	17mm	On Wall	20mv/10Volt
Round	AR-85-20-17	50kg to 100kg	17mm	On Wall	20mv/10Volt
Round	AR-118-100-25	100kg to 200kg	25mm	On Wall	20mv/10Volt
Round	AR-125-100-25	100kg to 200kg	25mm	On Wall	20mv/10Volt
Flat / Pillow	AR-FL195-XXX-40	100kg to 2000kg	40mm	Base Mounting	20mv/10Volt

SPECIFICATION

Power Input Voltage -230VAC, $\pm 5\%$, 50Hz / 60Hz current -200mA Max

Excitation to Transducer 0 to $\pm 5V$ DC Supply / 0 to 10V DC

Tension Signal Output 0 to 10V / 10mA UNFILTERED / 0 to 20mA UNFILTERED
0 to 10V / 10mA FILTERED / 0 to 20mA FILTERED

Ambient Temperature Range 0°C to 45°C

AMPLIFIER WITH DISPLAY



AMPLIFIER DINRAIL MOUNTING



LOADCELLS (Amplifier) Specification

Power Input Voltage -230VAC, $\pm 5\%$, 50Hz / 60Hz current -200mA Max / 24VDC

Tension Signal Output 0 to 10V / 10mA UNFILTERED / 0 - 20mA
0 to 10V / 10mA FILTERED / 0 - 20mA

Ambient Temperature Range 0°C to 45°C



PD 10



PD 20

USER

Feedback for Automation Directly Drives / PLC etc. Can be Used for PLC External Meter