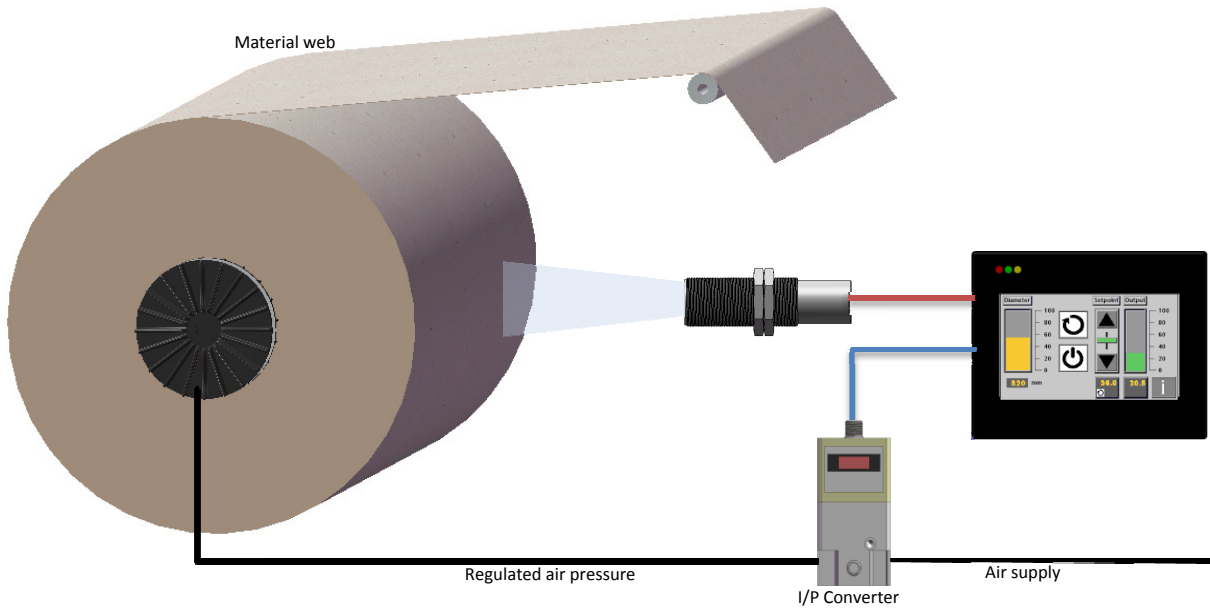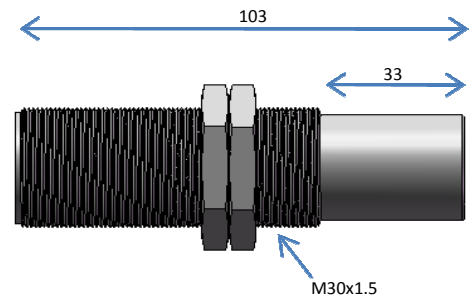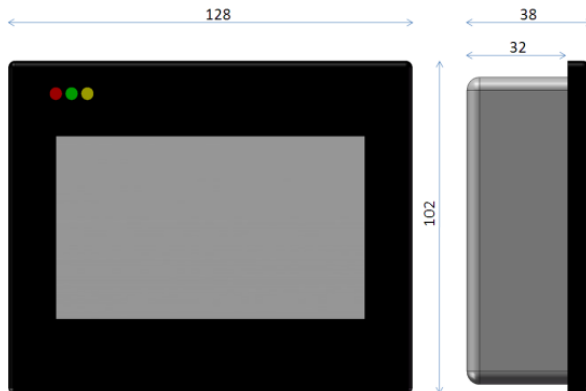# OWECON OWC110 Ultrasonic Tension Control System

The OWECON ultrasonic web tension control system OWC-100 is part of the new generation of digital controllers .

- ✓ The human machine interface OWC-HMI10 is available in a build in box version - and for cabinet installation, has a 4,3" TFT 256 color 480 x 272 pixel touch screen giving an ideal operation and process supervision platform.
- ✓ The ultrasonic sensor OWC-US10 is an long detection range sensor and is designed to meet the request for easy installation.
- ✓ The digital high performance I/P converter transfers the controllers signal into a smooth adjustment of the web tension.
- ✓ All the system is based on well proved, long lasting and reliable units.
- ✓ Price / performance effective.

Typical application:

Dimensions (mm):

M30x1.5

Technical Data:

OWC-HMI10 User Interface

Supply.............................24 VDC nominal (15-30 VDC @ 150 mA)
Installation category ....II (IEC 664)
Noise Immunity ....EN 50082-2 industrial
Noice Emission...EN 50081-1
Temperature range (operating)......................................0 to 50° C
Temperature range (storage)....................................-10 to 80° C
Material fire Classification..94 VO
Degree of Protection..IP54
Net. Weight OWC110 complete (31100101)...........................1,9 kg
Designed to meet EN 60204 and UL 508

OWC-US10 Ultrasonic-Sensor

Supply.............................24V VDC nominal (15-30 VDC @ 150 mA)
Maximum Power Consumption...2,5 VA
Noise Immunity ....EN 50082-2 imdustrial
Noice Emission...EN 50081-1
Regulation Output......................................4-20 mA RL=0 - < 500 Ω
Communication...Modbus RTU
Detection range ....130 to 2000 mm
Blind range... 0 to 127 mm
Temperature range (operating).......................................0 to 50° C
Temperature range (storage)..-10 to 80° C
Material fire Classification...94 VO
Degree of Protection...IP54

Ordering info for OWC-110 Ultrasonic Tension Control System:

Type	Description	Item
OWC-110UW	Ultrasonic open loop controller complete 90-230VAC	31111400
OWC-114UW	Ultrasonic open loop controller complete 24VDC	31141400
OWC-120RW	Ultrasonic tension control system complete 90-230VAC	31211400
OWC-124RW	Ultrasonic tension control system complete 24VDC	31241400

Accessories:

	Standard bracket for OWC-US10 Sensor, stainless	90003013