T-ONE SEL-XP
TENSION CONTROLLER

- Control of closed-loop and combined systems
- Regulation in torque
- Tension control with load cells or dancer roller
- Can be used with modular brakes
- Can manage wide variations of tension
- Compact design
- Ease of use and calibration

T-one is a tension controller specifically designed for the web tension control in closed-loop and combined systems; extreme ease of use and compactness are the main features of the tension controller. The core of T-one is the P.I.D. algorithm, which has been improved in speed and accuracy.

The interface with 6 buttons and 4 digit is easy to use and allows to smoothly control and set up the desired parameters to obtain the best results.

T-one SEL-XP has been specifically designed for those applications that require modular pneumatic brakes for wide variations of diameters and tension. Thanks to the SELEMATIC function, the tension controller can automatically exclude two groups of calipers, sizing the brake dynamically and adapting itself to the required torque to make the regulation more sensitive. The controller, managing an electropneumatic transducer and two solenoids, give the right pressure to the brake.
POWER SUPPLY 24 Vdc

**Power**

8 W max

**Analog inputs**

- 0÷10 V

1 dancer roller

1 diameter

1 setpoint or dancer roller pressure

**Analog input**

- 0÷20 mV / 4÷20 mA

1 max 2 load cells

**Digital inputs**

- 24 V

6 remote controls

**Analog output**

- 0÷10 V / 4÷20 mA

1 torque motor control

- 0÷10 V

1 diameter or tension proportional or dancer roller piston control

**Digital relay outputs**

- 24 Vdc / 24 Vac

2 for alarms or solenoids control

**Weight**

400 g

**Working temperature**

0÷50°C

**IP protection class**

IP 20 (case) IP 52 (frontal panel)

**Dimensions**

109 x 109 x 69 mm

*Data are subject to technical change without notice.*