TECHCON™

Smart Valves Controller TS550R

The TS550R is a Smart controller capable of controlling all Techcon pneumatic valve series including: TS1212 pinch tube valve, TS941/TS5322 Spool valve, TS5420/TS5440 Needle valve and TS5620/TS5622 Diaphragm valve. With a universal power supply, it is a fully 'plug and play' system and can be used immediately, anywhere in the world.

The TS550R Smart valve controller features an intuitive touch screen interface for easy setup and operation. Dispensing parameters can be precisely setup directly on the touch screen or remotely through the internet connection.
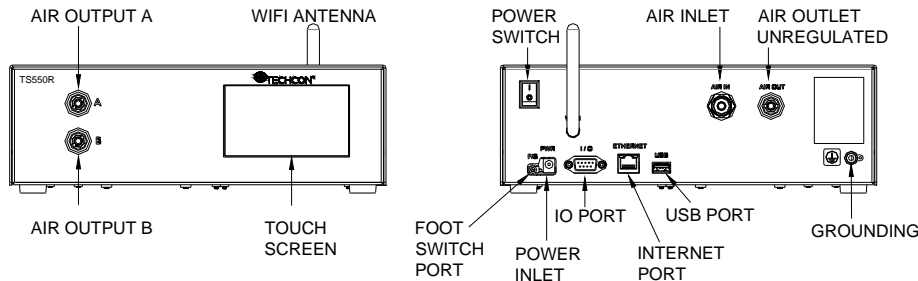
First in it class, the TS550R is equipped with internet port and WIFI connection to allow users to monitor and make precise parameter adjustment remotely. This feature enables the unit to fit in Smart factory that requires Industry 4.0.

Additional advance features include digital timer to provide accurate and repeatable dispense time, digital pressure regulator with dual-unit display to allow precise pressure control.
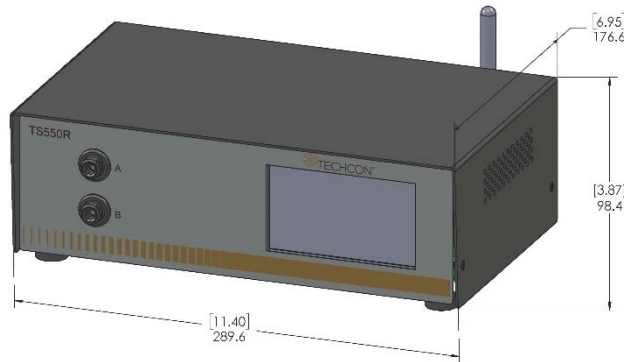
The user-friendly firmware provides an option of programming up to 50 varied, sequenced or individual shots. These systems have a user programmable "purge", "timed" dispense cycle settings and a "Teach Mode" for determining the dispensing time.

Integration into semi-automatic and automatic machinery is made easy with the I/O interface connector. Through use of the interface port, the dispense cycle can be initiated, stopped and an end-of-cycle signal can be fed back to the host machine in order to start the next dispense cycle. A low-pressure warning feature is also included to help maintain uninterrupted dispensing.

IDENTIFICATION OF FEATURES

AIR OUTPUT A WIFI ANTENNA POWER SWITCH AIR INLET AIR OUTLET UNREGULATED

AIR OUTPUT B TOUCH SCREEN FOOT SWITCH PORT POWER INLET IO PORT INTERNET PORT USB PORT GROUNDING

SPECIFICATIONS & PART NUMBERS

Part Number:	**TS550R**
Size (Imperial):	11.4' W x 8.3" L x 3.9" H
Size (Metric):	290mm x 211mm x 99mm
Weight:	6.8 lb (3100g)
Pressure Range:	0 to 100psi (0-6.9 bar)
Display:	Touch Screen
Timing Range:	0.008 – 99.9 seconds
Timing Tolerance:	+/- 0.001%
Input Voltage:	100 – 240 VAC
Cycle Rate:	900/min.
Cycle Modes:	Timed, Interrupt, Teach, Purge
Connectivity:	Ethernet, WIFI
Certification:	CE, TUV-GS

The controller is shipped with the following items:

• Universal power supply • Foot switch • Air house • Air filter

ACCESSORIES

• Fluid reservoirs: The valve and controller can be used in combination with the TS1254 or TS1258 Pressure Tank

• Dispensing Tips: Suitable for use with all tip series. For the complete dispensing tip offering please visit www.techcon.com

Key Features & Benefits

• Touch Screen interface for easy setup and operation

• Industry 4.0 for "Smart Factory" integration

• Universal power supply for worldwide use

• Digital pressure regulator for precise control

Typical Applications

• Control Diaphragm for bonding application

• Control Mini Spool valve for form-in-place gasket

• Control Needle valve for precision filling process

For Sales & Support please contact:

office@ulbrich-group.com

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