



Product Data Sheet

TS500R Multi-Purpose Digital Controller

The TS500R is capable of controlling all Techcon Systems valve series including: pneumatic, spray, rotary auger valves and rotary auger valves with encoder motor. With a universal power supply it is a fully 'plug and play' system and can be used immediately, anywhere in the world.

The TS500R Series is equipped with digital timer and pressure read-out on a large LCD screen. Pressure can be set in both psi and bar. The user friendly firmware provides an option of programming up to 10 varied, sequenced or individual shots. These systems have a user programmable manual (purge) and automatic dispense cycle settings (program and time) and they feature a "Teach Mode" for determining the dispensing time required with dispensing output is unknown. Integration into semi-automatic and automatic machinery is made easy with the interface connector, on the rear of this system. 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.

The controller is shipped with the following items:

- Universal power supply
- Foot switch
- Air hose
- Air filter

TYPICAL APPLICATIONS

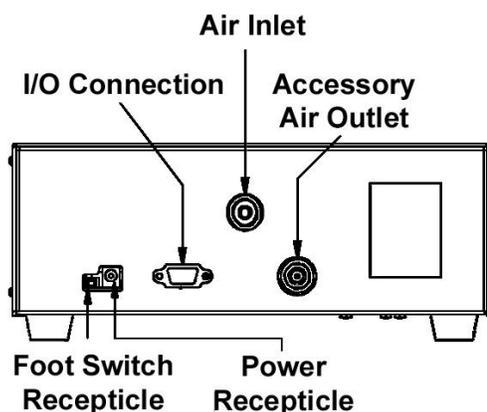
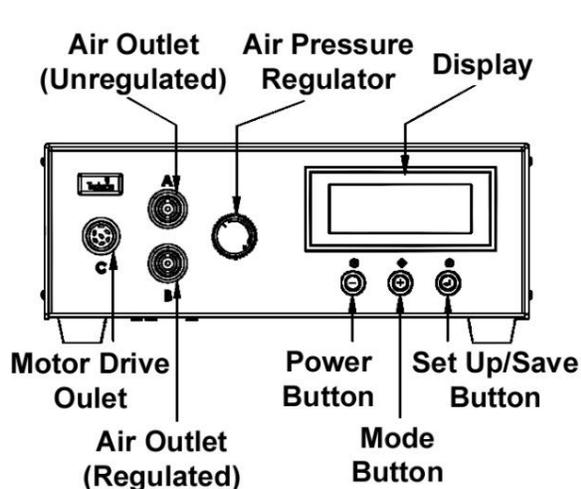
- Operating spray valve in conformal coating application
- Operating Auger valve for brazing paste application
- Dispensing beads of grease for lubrication applications

KEY FEATURES AND BENEFITS

- Controls all pneumatic, spray and rotary auger valves (inc. Encoded type)
- Universal power supply for worldwide use
- 20 x 4 LCD display with back lighting
- All read-outs displayed digitally
- Digital timing from 0.008 – 60 seconds
- Rack mount rectangular design
- 10 programmable memories



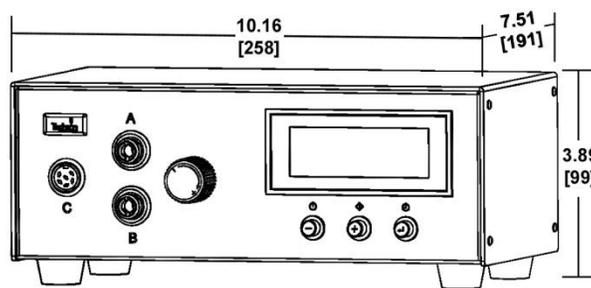
IDENTIFICATION OF FEATURES



SPECIFICATIONS & PART NUMBERS

Part Number:	TS500R
Size (Imperial):	10.16" W x 7.51" L x 3.89" H
Size (Metric):	258mm x 191mm x 99mm
Weight:	5.8 lb (2600g)
Pressure Range:	0 to 100psi (0-6.9 bar)
Cycle Rate:	900/min.
Timing Range:	0.008 – 60 seconds
Timing Tolerance:	+/- 0.001%
Input Voltage:	100 – 240 VAC
Input Frequency:	50 – 60 Hz
Cycle Modes:	Timed, Interrupt, Teach, Purge
Certification:	CE, TUV-GS and NRTL

Dimensions are in inches [mm]



ACCESSORIES

- **Fluid reservoirs:** The 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.techconsystems.com

For Sales and Support:

Techcon Systems Corporate Headquarters,
12151 Monarch Street, Garden Grove,
California, 92841, USA.
Tel: 1-714-230-2398, Fax: 1-714-230-2393
E-mail: [OEMorders@okinternational.com](mailto: OEMorders@okinternational.com)

Techcon Systems European Corporate Office,
Eagle Close, Chandler's Ford Industrial Estate,
Eastleigh, Hampshire, SO53 4NF, UK.
Tel: +44 2380 489 100, Fax: +44 2380 489 109
E-mail: [europe-orders@okinternational.com](mailto: europe-orders@okinternational.com)

Or visit www.techconsystems.com



LOCAL DISPENSING SOLUTIONS WORLDWIDE

Version 2.00