



The Model TS-421 replaces the Model TS-420 test set that has been in service for more than twenty years. All of the functions of the original TS-420 test set are retained including a voltmeter with selectable resistive loads and an ammeter with a 5VDC power supply.

Significant enhancements include surface mount electronics, a removable protective cover, touchscreen interface, increased 3A current output, reading retention features, automatic time-outs, and an improved NiMH rechargeable battery pack. The TS-421 shares a common 120/220VAC battery charger.

Existing TS-420 test sets continue to be serviced and calibrated based upon parts availability.

- **Voltmeter with selectable resistive loads**
- **Ammeter with 5VDC regulated power supply**
- **Upgraded 3A current output**
- **Handheld design with protective cover and stand**
- **Touchscreen interface with illumination test button**
- **Test connections at top of instrument**
- **Simple, straightforward operation**
- **90-second reading retention and time-out features**
- **30-second timer for hands-free lighting harness checks**
- **Rechargeable NiMH internal battery with 120/220V charger**
- **Simplified calibration—internal access not required**



### SPECIFICATIONS

Application (Used With)	TSO-C69-approved escape slide lighting systems
Replacement For	BaseWest TS-420 and Astronics/DME TU-14 Test Sets
Voltmeter Function	0 to 11.99 VDC read-out with selectable resistive loads
Ammeter Function	0 to 2999 mA with 5 VDC power supply and built-in timer
Test Mode Selection & Operation	Touchscreen with user-interface graphics
Test Readings	Touchscreen read-out with 90-second data retention
Operational & Battery Status	Constant monitoring with touchscreen read-outs
Press-to-Test /Activation Switch	Momentary pushbutton (Red)
Test Connector Interfaces	Direct interfaces to battery and slide lighting harnesses
Internal battery	Rechargeable NiMH pack (P/N 6-1036)
Construction	High-impact molded plastic case with protective cover
Dimensions (with Cover)	4.25 x 7.00 x 2.12 in. (10.8 x 17.8 x 5.4 cm) Nom.

March 2023

#### BaseWest Inc.

4240 116th Terrace North • Clearwater FL 33762 USA

Tel: 727 / 573-2700 • Fax: 727 / 573-4307

[www.basewest.com](http://www.basewest.com)

