

UNIV-20-40 OUTFLOW VALVE TEST SET

*“High Accuracy, Light Weight For Flightline
Portable Inspections.”*



GENERAL INFORMATION: The Model UNIV-20-40 is a precision, manually controlled, portable, flight line Digital Static Test Set. This single channel test set is designed to provide regulated total Static (PS) pressure outputs to simulate inHg, mbar, psia, mmHg, and PSI / min parameters. The test set is compact, lightweight and made for harsh Flightline conditions. Its compact size can fit in the overhead storage compartment of most commercial airliners.



STANDARD FEATURES:

- Certified to perform maintenance tasks for outflow / safety valves certifications on General Aviation, Military, and commercial aircrafts.
- Precision microprocessor based, with Honeywell sensors, accurate to +/- 0.020 % FS
- Display is a sunlight readable color TFT 4" inch Micro-Graphic Touch panel showing detailed units of measurements including inHg, mbar, psia, mmHg, and PSI / min.
- Automatically calculates the differential between the ambient (local) pressure upon start-up.
- Automatic Static leak rate modes perform calculation for operator convenience.
- Hose has self-sealing quick disconnect fitting to protect aircraft from pressure loss.
- Control valves have a lifetime warranty with a built in protection seat to prevent over tightening of precision valve stems.
- Internal pump produce vacuum for maintenance free performance.
- Sensors automatically perform temperature compensation for extreme flightline conditions.
- Smart AC power supply provides a wide range of input voltages: 85 to 265 VAC / 47 to 420 Hz.
- Storm Case* is rugged and constructed to meet applicable requirements of MIL-STD-810F and FED-STD-101C and is watertight and pad lockable for theft protection.
- Calibration meets National Institute Standards and Technology (N.I.S.T) specifications.
- Test set is shipped with quick disconnect fittings, 1 hose (15ft) and a power cord (6ft.)
- 2 YEAR PARTS AND LABOR WARRANTY



Case meets required measurements to fit into overhead compartment in commercial airlines.

Exterior dimensions:
22" L X 14" W X 9" H
(55.8 x 35.6 x 22.9 cm)
Wt. 27 lbs, 12.2 kg

UNIV-20-40 Outflow Valve Test Set

Performance Specifications

Absolute Pressure Performance

Static Sensor:

Range: 0.3 to 40 inHg abs.
Accuracy: +/- 0.020 % FS
Overpressure: 200 % FS without damage

Internal Pump:

Motor: 4 Pole
Max Open Flow: 1.58 CFM @ 25 inHg

Pressure Medium

Dry Air

Pressure Connections

Quick Disconnects (1 ea.)
Safety Seal on Female Quick Connect

Display Update Rate

Once Every 2 Tenths per Second

Sensors

Honeywell Sensors (NIST Traceable)

Power Requirement

Input Range: 85 - 265 VAC
Frequency Range: 47 thru 420 Hz

Environmental Specs

Temp. Operating: 0° C to +50° C
Temp. Storage: -25° C to +60° C
Humidity: 0% to 95% RH

Warranty & Calibration

Warranty: 2 years (*parts & labor*)
Calibration: Up to 1 year (*yearly calibration suggested*)

Certification

Calibration / Trace to NIST

Physical Dimensions

22" L X 14" W X 9" H (55.8 x 35.6 x 22.9 cm)

Weight Case Specification

27 Lbs. / 12.2 Kg
MIL-STD-810F • FED-STD-101C • ATA 300
Color / Flight Line Yellow

Accessories Include: Protection Quick Release Fittings, Hose Kit, and Operation Manual.

ORDERING INFORMATION / OPTIONS

MFG. Part Number: UNIV-20-40-XX