

Oxygen Mask Stowage Test Box

The Oxygen Mask Stowage test box (B075) is designed for workshops wishing to extend the existing testing capabilities of their Oxygen Stowage by enabling them to test the Flight Crew mask Stowage MXP800/600 Series (CMM 35-13-44) & MXP300S Series (CMM 35-13-82).

The B075 unit can be used as an accessory to the Universal Oxygen Bench (B001) or connected to an existing Oxygen network fitted with a regulator.

The test box incorporates an automatic leak test function based on a pressure drop, with the leak calculated from the internal volumes of the PN under test (volumes pre-recorded in the internal database). It can also be used to carry out flow tests on Mask Stowage using the Universal Oxygen Bench (B001) or a dedicated test kit (optional).

The touch-sensitive HMI lets you quickly configure the B075 according to the test in progress, and its internal database can be added to by the user to integrate new PNs.

The B075 box also incorporates an electrical test circuit with control and display of the status of the door contacts (micro-switch) using indicator lights on the front of the box. A dedicated connector can be used to connect to our Microphone Test Box to perform the tests associated with the Micro circuit.

Supplied with a set of connectors and hoses to adapt to different PNs, the Oxygen Mask Stowage B075 is a compact test solution that can be easily deployed in your oxygen workshops.

The sensor built into the B075 is Plug & Play: it is therefore automatically recognised by the HMI and can be sent for calibration to an external Oxygen-compatible laboratory.



KEY STRENGTHS

- Automatic leak test
- Configurable circuit for different tests
- Plug & Play pressure sensor
- Scalable test capability with integrated database
- Compatible with the B001 Universal Oxygen Bench

APPLICATIONS

X	MRO
	R&D Test
	Calibration
	Production
	Other

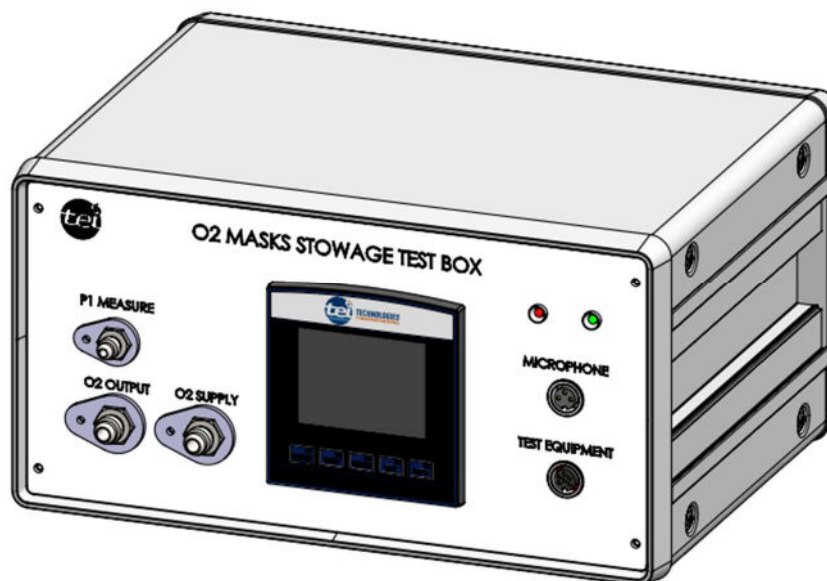
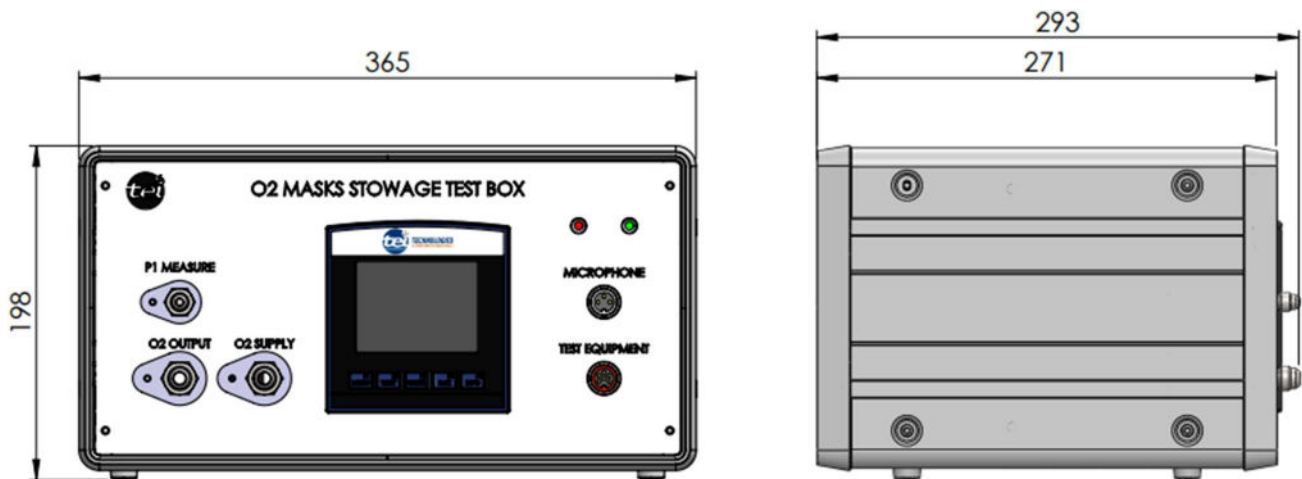
KEY WORDS

- Oxygen Mask Stowage test
- Oxygen Universal Bench B001
- Microphone Test Box

TECHNICAL SPECIFICATIONS

Test capacity:	Flight Crew Mask Stowage CMM 35-13-44 MXP800/600 Series CMM 35-13-82 MXP300 Series
Main functions	<ul style="list-style-type: none"> - Measurement of test pressure, displayed on HMI - Automatic test circuit configuration (BLEED / SUPPLY / ISOLATION) via touch-sensitive HMI - Automatic leak test by pressure drop with leak rate calculation - Internal database of Mask Stowage PNs and their respective volumes - Microswitch test with 2 status feedback (indicator lights) on front panel - Dedicated connector for microphone tests associated with Mask Stowage. - Oxygen circuit flow resistance test with dedicated test kit (see options)
Measurement chains	Pressure (x1) Measurement range: 0-16barG Precision: < 0.1% FS Output Signal: digital (CANOPEN bus)
HMI	Colour HMI touchscreen with integrated test program and PN database MASK STOWAGE INLET PORT Connection to "O2 SUPPLY" and "P1 MEASURE" ports on B075 box Fitted with "Tee Union Fitting" equivalent to PNR 422096 and associated pipework
Mechanical and electrical connections	MASK STOWAGE OUTLET PORT (for flow test) Fitted with Union Tee Outlet equivalent to PNR 422097 To connect to sensor and flowmeters external accessories for flow tests MASK STOWAGE ELECTRICAL PORT (for micro switch and Microphone circuit testing) Connection to the "TEST EQUIPMENT" connector on the B075 box using a connection cable specific to each PN.
Power supply	Mains supply 200-240VAC ±10%; 50/60Hz - 15A Connection to E-type mains socket
Oxygen supply	Oxygen circuit fitted with a pressure regulator adjustable from 0 to 10barG (0 to 145PSIG) Flow capacity: 180 NLPM @ 7bar (for Oxygen-Circuit flow-resistance tests only) Fluid: gaseous oxygen JIC 37° Dash 6 (9/16 x 18) "OXYGEN INLET" connection
Operating temperature	+10 to +40°C
Storage temperature	+5 to +45°C
Dimensions	365 x 300 x 200 mm (W x D x H)
Mass	< 5kg
Supplied accessories	<ul style="list-style-type: none"> - 1 Tee Union Fitting equivalent to PNR 422096 - Pipework required to connect the Mask Stowage "INLET" port - 1 Union Tee outlet equivalent to PNR 422097 - 1 plug equivalent to PNR 407231 - Connection cables specific to each PN
Options and additional accessories	<ul style="list-style-type: none"> - External accessory kit for conducting Oxygen-Circuit flow-resistance tests, comprising an external pressure sensor, 2 flowmeters with control valve and associated connecting pipes - Microphone Test Box (for testing the Microphone circuit)

DIMENSIONS



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