



AEROSPACE GROUND TEST EQUIPMENT

LOGISTICAL SUPPORT IN THE FIELD

Our line of aerospace ground test equipment enables your teams to test equipment where they use it – in the field. Crews can refill, test and be ready for the next mission without returning to base.

Our product range includes field-deployable test equipment for breathing masks, pressurized clothing, breathing regulators, and pressure reducer and automatic change-over valves.

The “plug-and-play” line not only ensures that your teams’ OXYMOSS™ mission oxygen supply system and OXYJUMP™ oxygen supply system products are good to go before takeoff, crews can use it to test most other oxygen applications and components.

AMP 2020

The Breathing Masks Test Bench AMP 2020 tests aircrew equipment such as various breathing masks, high-performance anti-g protection clothing and communication equipment.

Our touchscreen design meets testing requirements for fourth-generation combat aircraft such as the Eurofighter Typhoon. On-screen test instruction and selection menus provided by a memory programmable control (MPC) unit make the system easy to operate without special training and easily adaptable to future technology upgrades.

The MPC contains all applicable test procedures and the main test parameters: pressure, flow rate, time and leakage rate.

The AMP 2020 meets requirements for air transportability with a modular design packed into two portable transport containers. Built-in tests check system functionality, so your crew won’t need to recalibrate after transport. The system tests communication sets with isolation resistance and functional tests on microphones and earphones.



TESTABLE DEVICES

- Demand breathing mask
- Pressure-compensated mask
- Constant flow air mask
- Anti-g trousers
- Counter pressure garments
- Inflatable foot bladder
- Oxygen mask microphones
- Helmet earphones
- Headsets (microphone and earphones)
- Breathing regulator
- Pressure reducer



MOT 2020

The Mobile Oxygen Tester (MOT) tests OXYJUMP and OXYMOSS before and after each mission.

The system runs on battery power or an external power source and is independent of any gas supply source. Its durable components contain no plastic or composite materials – so there's nothing to break down over time. Our MOT 2020 integrates with both Collins Aerospace and other components quickly and easily. It's simple for your crew to operate without special training.

AMP 2020 SPECIFICATIONS

| | |
|---------------------------------|-------------------------------------|
| Flow measurement | 0 to 120 l/min |
| Vacuum measurement | 0 to 100 mbar |
| Excess pressure measurement | 0 to 100 mbar 0 to 1 bar |
| External power supply | 110/230 VAC 50/60 Hz |
| Compressed breathing air supply | Max. 200 bar |
| Temperature range (operational) | -10° C to 50° C |
| Temperature range (storage) | -40° C to 70° C |
| Shock resistance | MIL-STD-810E (meth. 516.5, proc. I) |
| Vibration | MIL-STD-810E (meth. 514.4, cat. 1) |
| Dimensions (h/w/d) | 792/534/694 mm (per container) |

MOT 2020 SPECIFICATIONS

| | |
|---------------------------------|---|
| Oxygen measurement | 0 to 100 percent |
| Pressure reducer test | ± 10 bar |
| Internal battery power | 12 V to 24 V |
| External power supply | 90 V to 250 V |
| Electrical safety | CE in accordance EN 61326-1/A1 |
| Temperature range (operational) | 0° C to 40° C |
| Temperature range (storage) | -20° C to 40° C |
| Shock resistance | MIL-STD-810E 20 g/6 ms |
| Vibration | MIL-STD-810E Fig. 5144-1 (1,04 Grms) |
| Dimensions (h/w/d) | 450/532/430 mm |

Specifications subject to change without notice.



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