

# SE0223

PBG Oxygen Regulator Field Tester

P/N: 3300223



The most important thing we build is trust



The model SE0223 PBG Oxygen Regulator Field Tester is a portable microprocessor controlled tester for organizational-level maintenance. It is intended to monitor the oxygen regulators gas pressure and flow rates while still in an aircraft. The tester is capable of providing a vacuum to simulate cabin pressure and pressures from 0 to 15 psig (0 to 103.4 kPa) to simulate the anti-g valve input signal to the regulator while monitoring the response. In addition to verifying regulator performance, the tester provides a means to test oxygen mask regulator connectors.

### Applications

This regulator tester is used to support the F-2, F-5, F-15, F-16, F-111, F-117, C-5 (with adapter kit), C-17, C-27, C-130 (with adapter kit), C-141 (with adapter kit), KC135, A-10, P-3, E-2C, AWACS, T-38, T-50, and the B-52.

### Specifications

Dimensions: 16.75 x 12.50 x 11.75 in (42.5 x 31.8 x 29.8 cm)

Weight: 39 lb (17.7 kg) max

Operating temperature: -22 °F to 131 °F (-30 °C to 55 °C)

Storage temperature: -59.8 °F to 159.8 °F (-51 °C to 71 °C)

Electrical power requirement: 115 VAC / 400 Hz, single phase  
5 ARMS max 12 ft long power cable provided with connector that mates with MS3450-18-9S connector  
Panel provided with MS3452-14S-2P connector

NSN: 4920-01-321-1839

Pressure Range At Indicated Temperature		
Ambient Temperature	25 °C ± 10 °C	-30 °C to 55 °C
<b>Regulator Output</b>		
-10 to 10 mmHg	± 0.1 mmHg	± 0.2 mmHg
10 to 85 mmHg	± 0.5 mmHg	± 1.0 mmHg
<b>Vacuum-Simulating Altitude Test Port</b>		
760 to 400 mmHg absolute 0 to 16,750 ft (0 to 5,105.4 m)	± 7.5 mmHg	± 15.0 mmHg
400 to 110 mmHg absolute 16,750 to 45,200 ft (5,105.4 to 13,777.9 m)	± 2.5 mmHg	± 5.5 mmHg
110 to 80 mmHg absolute 45,200 to 52,000 ft (13,777.9 to 15,849.6 m)	± 3.5 mmHg	± 7.0 mmHg
<b>Air Inlet Test Port</b>		
760 to 4,000 mmHg absolute 0 to 16,750 ft (0 to 5,104.5 m)	± 7.5 mmHg	± 15.0 mmHg
400 to 179 mmHg absolute 16,750 to 35,000 ft (5,104.5 to 10,668 m)	± 2.52 mmHg	± 5.0 mmHg
<b>PBG Test Port</b>		
0 to 15 psig (0 to 103.4 kPa)	± 0.15 mmHg	± 0.30 mmHg

This tester may be used with most regulators including the following regulators and connectors:

### Regulators

A-14 per MIL-R-6 371  
CRU-68/A per MIL-R-25916  
CRU-73/A per MIL-R-83178  
CRU-98/A per SP1638058 (F-15)  
29276 Type per CK00010 (F-111)  
CRU-93/A per SP1638050 (F-16)

### Connectors

CRU-8/P per MIL-C-26522  
CRU-60/P per MIL-C-38271  
CRU-94/P per S449-20040

Equipment	A-14	*29276	CRU-68/ -73/ -92	CRU -93/ -98	CRU -8/ -60	CRU -94/ -120
Air Check Valve			X	X		
Suction Flow	X	X	X	X		
Air Ratio-Shut Off		X	X	X		
Blinker Flow	X		X	X		
PBG, High-Low Compensated Relief Valve				X		
Max Flow	X		X	X		
Mask Pressure	X	X	X	X		
Demand Valve Leakage	X		X	X		
Outward Leakage	X		X	X	X	X
Relief Valve						X

\* When used with Adapter Test Chamber 330034

CAGE Code 99251

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