

The Model 55 is a portable oxygen deficiency monitor for personnel protection in confined spaces.



The Model 55 is a self-contained, lightweight, battery operated personal oxygen deficiency monitor. This easy to use monitor does not require any adjustments by the user other than routine calibration. The monitor reads true percent oxygen in the presence of any diluent including humidity and will not be affected by barometric pressure changes caused by elevation or weather changes.

When the percent oxygen falls below 19.5 (factory set) the large LCD digital display will be augmented by an audible alarm. The red LED also will turn on to provide visual indication of the alarm.

An external earphone (included) is available for use in noisy environments. If it is attached the alarm will sound only through the earphone.

Besides the oxygen deficiency alarm, the Model 55 also includes an alarm to indicate how battery voltage or low sensor output.

A remote sensor option is available to check confined environments for oxygen deficiency prior to entry.

Housed in a rugged, high impact enclosure, the lightweight Model 55 attached easily to the operator's belt. It does not interfere with the worker's duties.

Both the standard and remote sensor option utilize a 2 year oxygen sensor.



Features

- Single off-the-shelf 9V battery
- Compact, lightweight
- Self diagnostics
- Easy sensor cell replacements
- Temperature stable and insensitive to barometric pressure.

Benefits

- Reliable operation
- Insures proper, accurate operation
- Low maintenance costs
- Readily available power for long term use, low cost operation
- Will not hinder the person's ability to work in confined areas

SPECIFICATIONS

SENSOR: OXYMAX™ oxygen concentration transducer

DISPLAY: 3 digit LCD, %O₂, in air from 0% with low battery indicator

ACCURACY: +3% of full scale from 5°, to 122° F (10° to 50° C
+4% of full scale from 32°, to 122° F (0° to 50° C

RESPONSE: 10 seconds to 90% indication

RESOLUTION: 0.1% Oxygen

SENSOR LIFE: 21 months in ambient air

PRESSURE SENSITIVITY: 0.33% O₂ change for 3000 foot elevation or change or 75 mm Hg barometric change

OPERATING TEMPERATURE: 32° TO 122° F (0° TO 50° C)

CALIBRATION ADJUSTMENTS: Calibrate both internal and external sensors against dry O₂. Both calibration adjustments are with a jeweler's screwdriver

ALARMS

Audible Alarms: 72dB rating (Factory set to alarm below 19.5%O₂)

Visual Alarms: LED Light

CONNECTIONS: Alarm earphone jack. external sensor jack

BATTERY: 9Valkaline, 200 hours life typical

OPTIONAL REMOTE SENSOR: Sensor, housing and circuitry provided with 20 foot cable

ENCLOSURE: Two-piece, molded high impact plastic

INTERFERING GASES: Ozone, chlorine and highly oxidizing gases will interfere to the extent of their oxygen equivalent. Highly corrosive atmosphere will cause premature failure.

SIZE: 5.7 x 3.5 x 1.4in. (14.5 x 8.9 x 3.6cm)

WEIGHT: 11oz. (312g)

ORDERING INFORMATION

Model 55-00 Oxygen Deficiency Monitor

Model 55-01 External Oxygen Sensor on 20' Cable

