

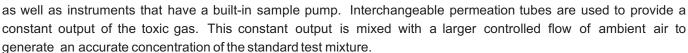
The Calibration Specialists

## SPAN CHEK™ 8700 PORTABLE CALIBRATOR

### Calibrates Environmental Gas Monitors, Detectors, and Sensors

#### MODEL SC8700 DESCRIPTION

The **Span Chek™ 8700** is a portable instrument designed for field calibration of toxic gas analyzers, area gas monitors, and gas detectors or sensors. The unit may be used with passive sensors



The instrument is designed to generate concentrations from below 1 ppm to over 100 ppm. Concentration is varied by changing the dilution air flow rate, the permeation tube temperature, or the number of permeation tubes used. It can be adapted to produce mixtures of a variety of compounds by installing the appropriate types of permeation tubes.

# Calibration for the following gases:

- Hydrogen sulfide
- Sulfur dioxide
- Methyl mercaptan
- Chloride
- · Hydrogen cyanide
- · Hydrogen fluoride
- Ammonia
- · Ethylene oxide
- · Nitrogen dioxide
- And others



#### **O**PERATION

The **Span Chek™** 8700 is self-contained and portable. Dilution air is provided by a small internal compressor. Ambient air is drawn into the unit and purified by passing it through a chemical cartridge type filter. The permeation tube oven temperature is controlled as a pre-set point of either 35, 40, or 50°C. Power is provided by a rechargeable battery.

The output of the **Span Chek™ 8700** is connected directly to an analyzer or to an appropriate chamber place over the sensing head or a passive detector. In this case, the calibration mixture flows into the chamber and surrounds the sensor head. When calibration is complete, the chamber is removed and the sensor returns to normal service. The calibration mixture simulates the actual sample in all respects including relative humidity and oxygen content.

#### **BENEFITS**

#### Safety

- · No high pressure cylinders required
- · Removes risk of exposure

#### Repeatable

- · Drift-free output
- · Can calibrate all sensors to the same standard

#### Easy to Use

- Set the air flow no other adjustments required
- · Operates over 8 hours without recharging

#### Economical

- · No false results
- · Reduces the time required for calibration
- · One permeation tube can do hundreds of calibration checks

#### **F**EATURES

- · Internal compressor provides dilution air
- · Rechargeable, long life battery for over 8 hours of continuous operation
- Intake filter cleans ambient air
- · Exhaust filter scrubs vent exhaust

#### **SPECIFICATION**

Concentration Range: 1 – 100 ppm

Oven Capacity: 3/16" diameter type SRT tube up to 5 tubes

1/4" diameter type SRT-2 or HRT tube up to 4 tubes

O Maximum internal diameter 3/4"

V Maximum overall length 15 cm

e Output Flow: 500 – 1500 cc/min

Operating Temperature: 35°C to 50°C (Controlled by PID Controller)

Battery Pack: 12VDC, Rechargeable

Power: Approximately 5 watts, with 15 watt peak. Can operate from internal battery,

external battery, or external battery charger/ power supply

Dimension: 11" wide x 14" high x 4 1/2" deep

Weight: 11.5 lbs

Represented by:



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