

## Dräger DTF-991

The Dräger DTF-991 is a general purpose gas monitor for the detection of Freon gases.



### Simple Installation & Commissioning

The Dräger DTF-991 is a simple, general purpose monitor that can be installed and commissioned right from the box. All units come pre-configured for the gas of your choice. The unit uses standard 3-wire protocol and with its quick warm-up time the unit can be operational in a matter of minutes.

### Principle of Operation

The heart of the DTF-991 is a heated  $\text{SnO}_2$  semiconductor sensor whose conductivity decreases in the presence of a measurable gas. The change of resistance is proportional to the gas concentration. This has been the industry standard for many years. With a high sensitivity to fluoro-carbon based compounds, this unit provides you with the response you need quickly and accurately.

### Features and Benefits

- Low power consumption (120mA)
- Fast Response
- 0 to 3000 ppm measuring range
- Quick warm-up cycle (1 min)
- Linear output
- Fault signal capable

### Detectable gases

The DTF-991 is designed to detect and respond to most CFC / HFC compounds including R-134A, R-12, R-22, R-143A, R-123, R-404 & 507, and R-407C. Other CFC / HCF are detectable depending on their matrix.



**Dräger DTF-991:**  
Regard-1 w/DTF-991 for an  
"all-in-one" Freon monitor

## TECHNICAL DATA

<b>Drager DTF-991</b>	
Type	SnO <sub>2</sub> semiconductor sensor
Measure range	0 to 3000 ppm (typical) non-adjustable
Sensitivity	≤ 10 ppm of measure value
Power Requirements	24 VDC, 18 to 30 VDC, 3-wire shielded cable
Output current impedance	Max. 500 ohms at 24 VDC
Measurement output	Analog 4 to 20 mA 2 mA - sensor fault 3 mA - measure fault 3 - 5 mA oscillation - sensor warm up
Temperature range	-10°C to 40 °C or 14 °F to 104 °F
Dimension	115 mmX115 mmX60 mm or 4.5"X4.5"X2.3"
Approvals	No approvals. Non-hazardous area only

### ORDER INFORMATION

<b>Drager DTF-991</b>	Order No.
DTF-991 Freon Monitor	3603620
Replacement Sensor	3605367
DTF-991 w/Regard-1	SC05741
DTF-991 w/ Regard-1 & light stack	SC05742



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