

# The model DCM 28 is a Dew Point and CO Monitor

**Measuring Dew Point and CO in Medical air applications and in compliant with NFPA99**

## **Dew Point and CO Analyzer**

This medical gas analyzer was design for fast, accurate and economic measurement of CO and Dew Point in medical air applications.

A simple menu-driven software and LED- display allows easy and fast start-up of the instrument.

## **Ranges**

The CO can be measured in the range of 0 – 50 ppm and the dew point in the range of -40°C up to 60°C.

## **Alarms**

2 programmable alarm contacts, 1form B 3A at 250Vac

This unit includes an alarm out via contact and an audio alarm (95 db).

Relay Set points for Dew Point and CO.

## **Sensor operating life**

The CO sensor is an electrochemical sensor. It gives you a sensor life of 2 years with a drift Rate of < 5%/yr.

The drift can be corrected via calibration using a calibration gas if necessary.

The RH capacitance sensor is durable and can be either recalibrated or replaced in the field very quickly by exchanging sensor tips while maintaining the sensor accuracy





### Customer

The Model DCM 28 is a standalone unit, complete with a small sampling system with all the needed accessories.

Optional: A two channel CO unit with a second CO measuring cell is also available

### Benefits

- Compact economic instrument with sensors remotely separated from the electronics
- Sensors with long operating life.
- No range switching required

### Features

- 2 line LCD display (displaying the CO and the dew point)
- audible and visual alarm
- Dew point in C or F (selectable)
- Includes sample system for both sensors, all in one enclosure
- Easy installation
- Hinged door
- NFPA 99 compliant



**Specification of CO sensor**

Measuring Range	: 0 – 50 ppm CO
Calibration	: with calibration gas
Accuracy	: +/- 2% of measuring
Resolution	: 0,1 ppm
Response time	: 90 % of FSD at 25°C < 45 s
Operating Temperature	: 0 - 50°C
Sample pressure	: 0,1 - 1 barg
Output signal	: 4 -20 mA/DC isolated
Alarm	: 1 form B relay 3A 250V
Voltage	: 24 VDC
Sensor	: electrochemical sensor
Sensor warranty	: 1 year from dispatch
Expected sensor life	: minimum 2 years

**Specification of Dew point sensor**

Measuring range	: -40 to 60C
Calibration:	field replaceable sensor (no cal needed) available
Accuracy	: typical +/-1C
Resolution	: 0,1 ppm
Response time	: 66% change in <10sec
Operating Temperature	: 0 - 50°C
Sample pressure	: 0-200psi (dew point reading at pressure)
Output signal	: 4 -20 mA/DC Isolated
Alarm	: 1 form B relay 3A 250V
Voltage	: 24 VDC
Sensor	: capacitive sensor
Sensor warranty	: 1 year from dispatch
Expected sensor life	: 2 years

