

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 0-100 ppm and the dew point in the range of -40°C up to 60°C.

Alarms

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

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

Relay Set points for Dew Point, CO, and Regen (Dryers)

Sensor operating life

The CO sensor is an electrochemical sensor. It gives you a sensor live of 2 years with a drift < 5% of measuring a year.

The drift can corrected via calibration on 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 stand alone 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
- Easy installation
- NFPA 99 compliant
- · All parts in one enclosure

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

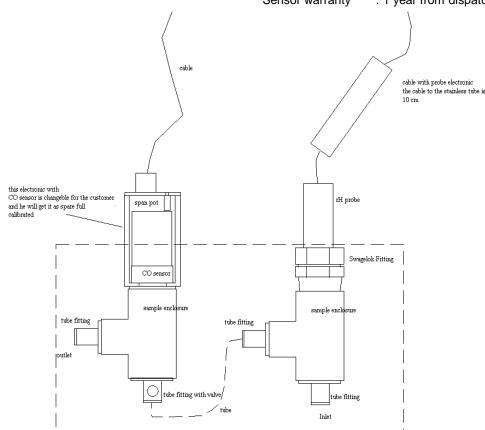
Isolated

Alarm : 1 form B relay 3A 250V

Voltage : 24 VDC

Sensor : capacitive sensor

Sensor warranty : 1 year from dispatch



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