

PRO-CHEM ANALYTIK

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

