



Carbon Monoxide microprocessed detection system using semiconductor. Made up on an one line control unit and controlling up to 4 detectors connected by 3 parallel wires.

The system uses DURAN 203 PLUS detectors with technology by semiconductor and 8 bits microprocessor that guarantee exact resolution. The perfect functioning of the system has attracted acclaim and prestige all over Europe.

Mini DURAN 203 is certified by J.M. MADARIAGA Inspection Organisation to meet the standard UNE 23300 / 84, homologated by the ENERGY AND INDUSTRY SPANISH MINISTRY - CDM - 0008.

Mini DURAN 203 is the perfect system for carbon monoxide detection in underground car parks, mechanical workshop and small areas in general.

CONTROL UNIT

Technology	8 bit microprocessor
Sampling capacity	4 detectors
Response speed	Maximum CO reading. One reading every 150 s
Communication	2 x 1.5 mm ² supply lines and 1 TX/RX line
Ventilation and alarm levels	12 programmable levels of ventilation and alarm
Max. Lenght between Control Unit and detector	Aprox. 250 m. of 1.5 mm ² wire
Ventilation and alarm output	By 1 relay circuit, 5A dry contact fuse protected
Events memory	Up to 300 events, resident in no volatile E2 prom- 10 years data memory -
Power supply	230V AC ± 10% 50 Hz
Max. Consumption	2.6W - at 230V-
Data presentation	3 x 7 segments display + 3 auxiliary information leds, incorporated in the polycarbonate control keys
Dimensions -mm -	19 x 10 x 16
Weight -gr-	1.200

DURAN 203 PLUS DETECTOR

Technology	Semiconductor and μ P 8 bit
Power supply	From 8 to 20 DC 15V nominal
Consumption in read mode	5mA
Standby consumption	10mA
Decontamination consumption	138mA max
Cooling consumption	22mA
Average resolution	± 9 ppm at 20° C and 21% O ₂ -minimum 10%-
Measurement range	From 0 to 300 ppm
Response speed	Only one measurement every 150s
Sensor life	5 years -depending on environment-
Temperature compensation	Automatic, through integrated temperature sensor from < 12° C and > 30°C
Operational temperature	10 °C-35 °C and 50%-80% relative humidity
Height and place of installation	From 1.5 - 2 m high, on ceilings or columns
Presentation and dimensions	ABS injected box 90 mm Ø and 75 mm depth
Influence of interfering gases	10,000 ppm of CO ₂ / 3,000 ppm of CH ₄ / 100 ppm of SO ₂ or C ₆ H ₆ / 50 ppm of NO _x = 3% of measurement
Connecting	3 parallel wires of 1.5 mm ²

