

TECHNICAL CHARACTERISTICS OF THE CO DETECTOR, DURPARK & DURPARK RS485

Technology	Microprocessor and electrochemical sensor
Power supply tension	9V to 15V DC
Consumption	14mA (standby) 24mA (alarm)
Measuring range	From 0 to 300ppm
Resolution	±1ppm CO
Repeatability	±1% full scale
Linearity	Linear throughout its full scale
Calibration gas and recommended concentration	Precise mixture 150ppm CO + O ₂ 150ml/min
Sensor useful life	>5 years in normal working conditions
Relative humidity	From 5% to 90% RH, without condensation
Atmospheric pressure	±10%
Operational temperature	-10°C to +60°C
T90 response time	60 s
Parallel communication	3 wires, own addressable protocol (1 to 16) / 4 wires DURPARK RS485
Protection level	IP20
Materials	ABS
Weight (gr) and measurements, diameter/height (mm)	146, 90 X 42 without base / 90 X 74 with base
Installation height	1.8 / 2 m from floor
Approximate coverage	200 m ² (following current Spanish standards),

Standard conditions 20° ± 2°C, 40% ± 10% HR

CROSS SENSITIVITY DATA

GAS	FORMULA	CONCENTRATION	CO DTR. RESPONSE
Ammonia	NH ₃	25 ppm	0 ppm
Carbon Dioxide	CO ₂	5000 ppm	0 ppm
Carbon Monoxide	CO	30 ppm	30 ppm
Chlorine	Cl ₂	1.0 ppm	0 ppm
Unsaturated Hydrocarbons	-	1%	2 ppm
Hydrogen	H ₂	100 ppm	20 ppm
Hydrogen Sulfide	H ₂ S	10 ppm	0 ppm

The crossed sensitivity values are based on test on a small quantity of detectors. Detectors could show a different behavior depending on environmental conditions or production batch.