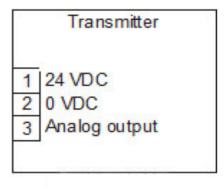
	gen 0-25% Detector	IP65	MO2	Oct.10	
	CE	Features - Continuou - Low zero p	s monotoring point drift		
° •. –		 Poisoning stable Long life sensor 			
0		-	tenance/calibration olarity protected		
0	• -	- Overload j	protected		
	MO2	- 4-20mA lo	op-powered or 2-10V	dc output signal	
Technical Data		Application			
Gas Detection principle	Oxygen Electrochemical, diffusion	For detection of oxygen in rooms where changes of the oxygen cencentration are possible, such as laboratories and food production etc.			
Stability & resolution	+/- 0,1% vol.	Due to the analogue signal 4-20mA and 2-10Vdc the O2 transmitter is compatible to any electronic analogue control, DDC/PLC control or automation system.			
Long term sensitivity	<4%/12 (% reading/month).				
Response time	t90 <15 sec.				
Storage time	6 months				
Mounting height	1,2-1,8 metres above floor	Ordering Codes			
Outputsignal		Wall Mounting			
4-20mA	load < 500ohm overload and short circuit proofed				
2-10Vdc	load < 50kohm overload and short circuit proofed	MO2 025VC	0-25% vol.	4-20mA/2-10Vdc	
Power supply Power consumption	18-28Vdc (reverse polarity prot.) 22mA, max (0,6VA)				
Expected lifetime	>2 years,normal operating enviroment	StainEnclosure of stainless steelToolTool for opening holes in stainless steel enclosure/GCDProtocol for CDA-seriesGAS 17Calibration gas 17 literREGPressure regulator flow adjusted to 0,5 lit/min.			
Humidity range Continuous	15-90% rH non-condensing				
Operating range Continuous	-10 up to +50C	REG Press Warning devices Warning signs	ure regulator flow adju See special da See special da	tasheet	
Rating Pressure range	IP65 Protection Class Atmospheric +/-10%				

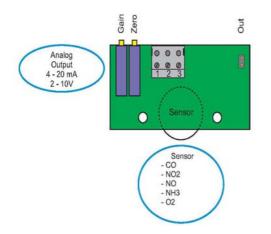
Automatikprodukter

	ygen 0-25% s Detector	IP65	MO2	Oct.10	
Technical Data continue		Maintanance			
Physical Characteristics		At commissioning and at periodic intervals determined by the person responsible for the gas detection system (recommendation every year).			
Enclosure	GW Plast 75 GWT				
Flammability	UL94: VO Halogenfree	After exchange of the sensor			
Enclosure colour	RAL 7032 (light grey)	If in case of operational or climatic influences the sensitivity of the sensor falls below 30 % in operation, calibration will not be possible any more.			
Dimensions	96 x 130x56mm				
Weight	Approx. 0,2kg	Then the sensor has to be changed.			
Installation	Wall mounting				
Cable entry	Standard 3 pieces	Exchange of sensor element			
Wire connection	Screw type terminal min. 0,25mm2 and max 2,5mm2	 Sensor should always be installed without power applied Unplug basic PCB EC-S carefully from the terminal blocks on the base. Unplug old sensor element from the PCB EC-S. Plug in sensor element into the PCB EC-S. Plug in the PCB EC-S into terminal block carefully. Calibrate 			
Guidelines	Max. loop resistor 500ohm (= wire resistor + controller input resistor) EMC-Directive 89/336/EWG, CE EMC-Directive 2004/108/EWG, CE				

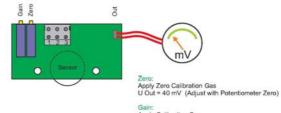
Connecting Diagram



Terminal 2 i only for 2-10Vdc signal = 3-wire 4-20mA two-wire loop powered



Calibration



Gam: Apply Calibration Gas U Out = <u>160 mV x Calibration Gas Concentration (ppm)</u> + 40 mV Measuring range (ppm) (Adjust with Potentiometer Gain)