

Technical specifications:

EC24



Measuring principle	Electrochemical (EC)	
Measuring gas supply	Diffusion	
Measuring range and measuring gas	sensor dependent	
Response time	sensor dependent	
Electrical Connections	Power supply:	10-26 V DC / max. 5 mA for MWG2411 / MWG2413 10-26 V DC / max. 50 mA for MWG2412 / MWG2414
	External fuse:	max. T 0.2 A
	Output signal:	0.2-1 mA / max. load 2,5 kOhm for MWG2411 / MWG2413 4-20 mA / max. load 150 Ohm for MWG2412 / MWG2414
	Test signal:	0.2-1.0 V (for calibration purposes at test socket)
Calibration	Zeropoint:	with potentiometer
	Sensitivity:	with potentiometer
Climate Conditions	Temperature:	-20 to +50°C (for operation) -25 to +55°C (for storage)
	Humidity:	5 to 95 % r. h. (for operation) 0 to 99 % r. h. (for storage)
	Air pressure:	70 to 130 kPa
Signal output	4-20 mA (200Ω) or 0.2-1 mA (4kΩ)	
Connections	Cable connector:	Cable gland PG 9 max. core cross-section 3x0,75 mm ²
	Cable type and length:	LIYCY 3x0,75 mm ² up to 1000 m for MWG2411 / MWG2413 LIYCY 2x0,75 mm ² up to 1000 m for MWG2412 / MWG2414 other cable length on request
Housing	Protection class:	IP66 (housing) IP52 (sensor holder)
	Material:	Aluminium (housing) Stainless steel (sensor holder)
	Dimensions:	80 x 125 x 60 mm (W x H x D) without sensor holder 80 x 185 x 60 mm (W x H x D) with sensor holder
	Weight:	980 g
Expected average sensor lifetime	1-3 years (sensor dependent)	
Approvals / Certifications	Electromagnetic compatibility:	DIN EN 50270:2006 Interference emission: Type class I Interference immunity: Type class II
	Type of protection:	only for MWG2411 and MWG2412 Ⓢ II 3G Ex nR ic IIC T6 X Gc -20°C ≤ Ta ≤ +50°C