

Technical specifications:

IR24



Measuring principle	Infrared (NDIR)	
Measuring gas supply	Diffusion	
Measuring range and measuring gas	sensor dependent / CO ₂	
Response time	t ₉₀ = 25 s	
Electrical Connections	Power supply:	18 to 26 V DC / max. 150 mA
	Output signal:	0,2-1 mA / max. load 3 Ω 4-20 mA / max. load 150 Ω
Calibration	Zeropoint:	with potentiometer
	Sensitivity:	with potentiometer
Climate Conditions	Temperature:	-30 to +40°C (for operation) -30 to +60°C (for storage)
	Humidity:	0 to 99 % r. h.
	Air pressure:	80 to 120 kPa
Connections	Cable connector:	Cable gland PG11 max. core cross-section 3x 1,5 mm ²
	Cable type and length:	LIYCY 3x 0,75 mm ² up to 200 m LIYCY 3x 1,5 mm ² from 200 m
Housing	Protection class:	IP54
	Material:	Aluminium
	Dimensions:	100 x 145 x 60 mm (W x H x D)
	Weight:	550 g
Expected average sensor lifetime	>5 years	
Approvals / Certifications	Electromagnetic compatibility:	DIN EN 50270:2006 Interference emission: Type class I Interference immunity: Type class II