

Technical specifications: **ZD21**



Measuring principle	Zirkonium dioxide (ZD)
Measuring gas supply	Diffusion
Measuring range and measuring gas	Oxygen (O ₂) 1000 ppm, 2 % by volume, 25 % by volume, 96 % by volume
Reaction times	Response time t ₉₀ : sensor dependent Warm-up time: < 5 minutes Stabilization time: < 30 minutes
Power supply	Operating voltage: 10-32 V DC / < 5 W
Climatic conditions	Operating temperature: -30 to +50°C -20 to +40°C Humidity: 0 to 99 % r. h. non condensing Air pressure: 80 to 120 kPa
Signal output	4-20 mA (200Ω) or 0.2-1 mA (4kΩ)
Connection Cable	PG 11, for cable size 3 x 1.5 mm ² 3 core shielded cable e.g. LiYCY 3 x 1.5 mm ²
Housing	Protection class: IP54 Material: Aluminium Dimensions: 100 x 100 x 57 mm (W x H x D) Weight: 370 g
Expected average sensor lifetime	> 5 years
Approvals / Certifications	EC-type examination: PFG 15 G 001 (for measuring function) Electromagnetic compatibility: DIN EN 50270 Interference emission: Typ class 1 Interference immunity: Typ class 2