



Gas Detector

AGH8100

PORTABLE GAS DETECTOR



GAS DETECTOR AGH8100

THE AGH8100 GAS DETECTOR IS SPECIFICALLY ENGINEERED FOR IDENTIFYING
LEAKS OF COMBUSTIBLE GASES.

THE SENSOR IS ENHANCED FOR THE DETECTION OF METHANE (CH₄) AND LPG
IN COMPARISON TO CONVENTIONAL DETECTORS.

IT CAN SHOW THE CONCENTRATION MEASURED IN MMOL/MOL (PPM) AND IS
RESPONSIVE TO EVEN MINOR LEAKS INTO THE ENVIRONMENT.

IT POSSESSES AN IP66 PROTECTION RATING AND IS BOTH ROBUST AND
DURABLE.

THE AGH8100 MODEL IS EQUIPPED WITH AN INTEGRATED SAMPLING PUMP THAT
OFFERS RAPID RESPONSE TIMES.



KEY CHARACTERISTICS

SPECIFIC DESIGN: ENGINEERED FOR THE DETECTION OF METHANE AND LPG
LEAKS AT THE PPM LEVEL, FEATURING A BRIEF PREHEATING TIME.

HIGH SENSITIVITY: MEASUREMENT IN MMOL/MOL (PPM) GUARANTEES AN
ACCURATE RESPONSE EVEN FOR MINUTE TRACES OF METHANE.

INTEGRATED PUMP: THE INTEGRATED VACUUM PUMP ENHANCES THE AGH8100'S
SPEED, SENSITIVITY, AND USER-FRIENDLINESS.

MULTIPLE ALARM: EFFICIENT NOTIFICATION THROUGH SOUND, LED LIGHT, AND
VIBRATION.

DURABLE CASING: TPU AND PC CASE, EXCEPTIONALLY RESISTANT TO WEAR.

IP66 PROTECTION: IMPERVIOUS TO DUST AND WATER JETS.

CATEGORY	PARAMETER	VALUE / DESCRIPTION
FUNCTION 	IDENTIFIED GASES	CH ₄ , C ₃ H ₈ , LIQUEFIED PETROLEUM GAS, H ₂ , COMBUSTIBLE GASES
	MEASUREMENT SCOPE	0 ~ 10,000 µmol/mol (ppm)
	RESPONSE TIME	< 5 s
	PRECISION	≤ ±5% FS
	DETECTION PRINCIPLE	SEMICONDUCTOR
	SAMPLING METHODOLOGY	INTEGRATED PUMP SYSTEM
POWER SUPPLY	BATTERY	2200MAH RECHARGEABLE LITHIUM-ION BATTERY
	Sustained Autonomy	MORE THAN EIGHT HOURS
ALARM	TECHNICAL ALERT	ACOUSTIC, LED LIGHTING, VIBRATION
	AUDIO INTENSITY	> 90 dB
INTERFACE	DISPLAY	YOU ARE
	BUTTONS	3 (LEFT, OK, RIGHT)
ENVIRONMENT	LEVEL OF PROTECTION	IP66
	TEMP. & OPERATING HUMIDITY LEVEL	-10 °C to 55 °C / ≤ 93% relative humidity
	OPERATING PRESSURE	80 ~ 120 kPa
STRUCTURE	CASING ELEMENT	PC and TPU
	WEIGHT AND DIMENSIONS	0.34 kg / 500 x 67 x 42 mm (INCLUDING A VERSATILE PROBE)
CERTIFICATIONS	EX / CPA CERTIFICATION	Ex db ib II CT4 Gb / Ex ib tb IIIC T135°C Db / 2017C567-32