

## TECHNICAL DATA AWI2GO

Subject to technical changes (1.5)



AWITE BIOENERGIE GMBH | GRÜNSEIBOLDSDORFER WEG 5 | D - 85416 LANGENBACH  
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MOBILE GAS ANALYSIS SYSTEM

GENERAL INFORMATION		AWI2GO	
Version (depending on sensor configuration)	S - M - L		
Dimensions (LxWxD)	241 mm x 133 mm x 56 mm		
Weight	1240...1260 g (depending on sensor configuration)		
Housing	Polyamide PA6.6 with fibre reinforcement, front glass 3 mm thick, chemically toughened and with anti-reflective coating		
OPERATING CONDITIONS			
Operating temperature	-20 ... +40 °C		
Storage temperature	0 ... +40 °C		
Humidity	0 - 100 %		
Ambient pressure	750 ... 1250 mbar		
Protection type	IP 67		
Minimum gas volume/measurement	~ 0.8 l		
POWER SUPPLY			
Battery	Ex-protected lithium-ion battery pack (7.2 V - 2200 mAh - 15.8 Wh)		
Charging time	4 hours (with supplied USB power supply unit)		
Run time continuous operation	up to 5 hours		
Run time Standby	up to 30 days		

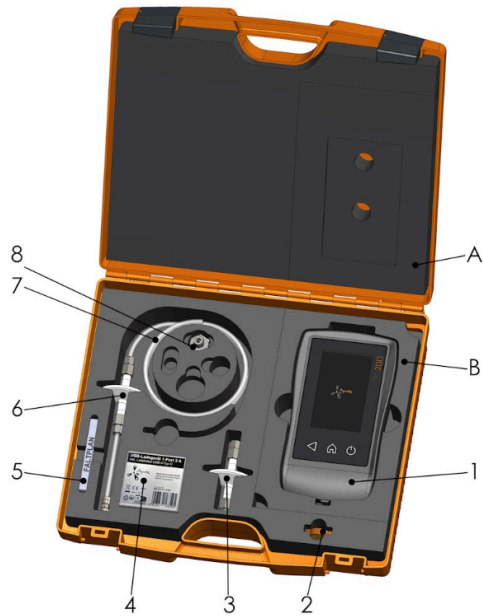
SENSOR SYSTEM

SENSOR	S	M	L	MEASURING PRINCIPLE		MEASURING RANGE	REPEATABILITY 1
Methane	X	X	X	Two-beam infrared sensor	pressure compensated temperature compensated	0 - 100 Vol.-%	± 0.1 %
Carbon dioxide	X	X	X	Two-beam infrared sensor	pressure compensated temperature compensated	0 - 100 Vol.-%	± 0.1 %
Oxygen	X	X	X	electrochemical	pressure compensated temperature compensated	0 - 25 Vol.-%	± 0.25 %
Hydrogen sulphide	X	X	X	electrochemical	pressure compensated temperature compensated	0 - 1,500 ppm 0 - 3,000 ppm 0 - 5,000 ppm 0 - 10,000 ppm (can be switched by customer)	± 1.0 %
Hydrogen		X	X	electrochemical	pressure compensated temperature compensated	0 - 2,000 ppm	± 1.0 %
Carbon monoxide			X	electrochemical	pressure compensated	0 - 2,000 ppm	± 1.0 %

1 determined at the calibration point, given in % from upper measuring range value

MEASURING TIME	
Warm-up time from switch-on to readiness for measurement	< 1 minute
Time from starting the measurement process to determining a value	< 2 minutes
PROCESS CONNECTION	
Gas inlet: Plug-in coupling EuroLock Nominal width 2.7 mm	for 6/4 mm hose
Gas outlet: Hose nipple	for 6/4 mm hose
PROCESS PRESSURE	
Permissible process pressure at the measuring point	max. +100 mbar
	min. -200 mbar
DISPLAY	
Size	5-inch
Resolution	800x480
Easy to read TFT display with chemically anti-reflective coating Front glass	
Adjustable brightness up to 500 cd/m <sup>2</sup>	
MENU LANGUAGES	
German (DE)	
English (EN)	
Italian (IT)	
Portuguese (BR)	
French (FR)	
OPERATION	
Via 3 touch buttons	
Via capacitive touch display	
MENU-GUIDED OPERATION	
Operating menu with the following areas:	Measurement
	Settings
	Calibration
	Messages
	Archive
MEMORY	
Internal data memory	2,000 plants
	4,000 measuring points
	75,000 measured values
	5,000 messages

DATA INTERFACE	
USB-A for USB stick	
DATA USE	
Data analysis using CSV file	
Data export for easier processing in Excel	
Data import for data recovery	
CERTIFICATION	
ATEX: CE 0123 II 2G Ex ib IIA T1 Gb	
IECEX: Ex ib IIA T1 Gb	
EU type examination certificate: BVS 24 ATEX E 045	
TECHNICAL FEATURES	
Automated measurement process incl. measurement value storage	
Temperature compensated and pressure compensated measurement values	
Calibration of the sensors without sending in the device (only with optional Awite calibration gas)	
Replaceable particle filter with water protection function	
Detection of a blocked measuring point connection or pump malfunction	
SCOPE OF DELIVERY	
Awi2GO incl. battery	
Transport case incl. service dispatch module	
USB power supply unit and 1.5 m charging cable	
USB stick	
6/4 mm measuring hose with quick-release coupling and particle filter with water protection function	
6/4 mm exhaust air hose	
Replacement particle filter	
Measuring point connection in stainless steel design for customer-side 1/2" female thread connection	
OPTIONAL ACCESSORIES	
External temperature sensor	PT-1000 sensor in 50x6 mm stainless steel measuring sleeve 1.5 m cable length Measuring range -20 ... +90°C Injection-moulded USB-A plug
Calibration set	Available throughout the EU Calibration cylinder with pressure regulator Calibration cylinder also available separately
Measuring point connection set in stainless steel	for customer-side 1/8" female thread connection for customer-side 1" female thread connection for customer-side 1/2" female thread connection
Pressure reducing set	For process pressure > 100 mbar (< 2bar)



1. Awi2GO incl. carrying strap
  2. Awi2GO USB incl. usage information
  3. Replacement particle filter with water protection function
  4. USB power supply unit 5V/2A incl. charging cable
  5. Safety instructions
  6. Particle filter incl. water protection function incl. hose and quick-release coupling
  7. Exhaust air hose
  8. Measuring point connection 6/4-G1/2" VA
- A: Upper part Inlet for returning Awi2GO
- B: Lower part Inlet for returning Awi2GO

