

DP-28

DP-28 is a modern, portable device designed to control the composition and physical parameters of gas mixtures produced in a natural or artificial way, with a special purpose for measuring biogas in the BIO version.

Portable analyzer



RETRIEVES

MEASURES

INFORMS

Ergonomics

- large readable display
- comfortable shoulder & neck belt
- large comfortable buttons

Memory

- memory for 1000 sets of results
- automatic results saving
- manual results saving
- results grouping

Build

- lightweight aluminum housing
- resistant to working in difficult conditions
- version with a belt or a handle

Measurements

- one-button measurement and purge
- built-in electric pump
- operates in a wide pressure range

PC software

- software dedicated for PC
- USB connection
- export to spreadsheet

Options

- humidity measurement
- temperature measurement

Technical parameters

GAS SUBSTANCE MEASURED	MEASUREMENT UNIT	MEASUREMENT RANGE	RESOLUTION	ACCURACY +/-	MEASUREMENT METHOD
Methane	[%vol]	0 - 5 0 - 10 0 - 100	0.01 0.1 1.0	1% FS 1% FS 1% FS	NDIR
Carbon dioxide	[%vol]	0 - 0.5 0 - 50 0 - 100	0.01 0.1 1	1% FS 1% FS 2% FS	NDIR
Oxygen	[%vol]	0 - 5 0 - 10 0 - 25 0 - 100	0.01 0.1 0.1 0.1	2% FS 1% FS 0.4%FS 0.1%FS	EC
hydrogen sulfide	[ppm]	0 - 50 0 - 100 0 - 200 0 - 500 0 - 1000 0 - 2000 0 - 5000*	0.01 0.1 1 1 1 1 1 *	1% FS 1% FS 1% FS 1% FS 1% FS 1% FS 1% FS	EC
			instantaneous measurement		
Ammonia	[ppm]	Min 0-50 Max 0-5000	1 10	1% FS 1% FS	EC EC
Carbon monoxide	[ppm] or [%]	max 0-100 %	properly	properly	EC or IR
Hydrogen	[ppm] or [%]	max 0-100 %	1	3% FS	EC or TK
Nitrous oxide	[ppm]	min 0-1000 max 0-10000	1 10	1% FS 1% FS	IR IR

DISPLAY	5" LCD with highlight
VISUALISATION	simultaneous presentation of all results
POWER SUPPLY	rechargeable lithium-ion batteries
CHARGING TIME	2 to 6 h
WORK READINESS	typically < 2 min
REACTION TIME	15ml
CONTINUOUS OPERATING TIME	>8 h
FLOW <i>depending on the sampling system used</i>	1.standard Flow 0.3l/min for -100mbar/100mbar Maximum working pressure -600 mbar/400 mbar 2.optional pump in the L version Flow 0.3l/min for -250mbar/350mbar Maximum working pressure -600 mbar/500 mbar
WORK ENVIRONMENT	HUMIDITY TEMPERATURE PRESSURE 5% - 95% RH -10°C - + 50°C 800 mbar - 1150 mbar
HOUSING	black, aluminum tightness class IP65/DIN EN 60529
DIMENSIONS	200 x 169 x 52-10 mm w zależności od wersji
WEIGHT	< 2000 g depending on the version and configuration
CLASS	II 3G EExin IIB T4

จัดจำหน่ายโดย

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Other NANOSENS products

- Personal detectors
- Multi-gas detectors
- Meters for combustible and toxic gases
- Control and monitoring systems for gaseous substances
- Oxygen meters
- Analyzers of biogas composition
- Analyzers of protective atmospheres

Comply with

The standards harmonized with EU directives EMC 2004/108/WE i 94/9/EC ATEX with later changes