ECOTOX PLUS Portable Gas Detector (Phosphine, 0 – 5ppm)

Product reference	
Part No.	1224118
Manufacturer	Consilium / Salwico
Model	ECOTOX PLUS



Product overview

ECOTOX PLUS portable single-gas detector with graphic LCD, replaceable electrochemical sensor and replaceable battery. Exact gas, range, alarms, operating temperature and humidity come from the manufacturer order row. The image is a shared family example, not an exact-SKU photograph.

Technical specifications

Order type	ECOTOX PLUS PH3	Test gases and accessories	Manufacturer test gases and accessories are listed on source page 3; contact Consilium for unlisted required test gases.
Gas	Phosphine	Applications	Chemical Industry; Refineries; Water Industry; Enclosed and void spaced; Steel Industry; Laboratories / Universities; Government and Utilities; Food Industry.
Chemical formula	PH3	Support services	Tailored advice; project advice; technical support; training and education; commissioning; onsite service / maintenance / calibration.
Range	0 – 5ppm	Data sheet version	ECOTOX PLUS_EN_v3.00
Printed low alarm setting	0.5	Product	ECOTOX PLUS
Printed high alarm setting	1	Gas types	Toxic gasses, Oxygen and Hydrogen
Operating temperature	-20 to +50 °C	Sensor type	Electrochemical sensor (EC-sensors)
Relative humidity	15-90%	Display	Graphic LCD (Liquid Crystal Display)
Product category	Portable gas detector	Battery	Replaceable Lithium-Thionyl Chloride (Li-SOCl2) cell, type 3.6V (not rechargeable).
Model	ECOTOX PLUS	Battery lifetime	> 24 Months
Detection scope	Toxic gases, oxygen and hydrogen	Alarm function	Visual, 2 clear LED's and acoustic (> 90 dB/30cm)
ATEX / IECEx status	ATEX / IECEx certified (Printed manufacturer certification claims; current validity not verified)	Alarm types	LOW alarm, HIGH alarm, Overload alarm, TWA alarm & STEL alarm
Data logger	Stores the latest gas measurements and events; export via Bluetooth.	Self-test	During start-up and operation
Bluetooth export	Log can be exported via Bluetooth.	Calibration	One button operation
Sensor replacement	Sensor can be replaced after its life span.	Personal identification	3x12 characters
Battery replacement	Battery can be replaced after its life span.	Storage temperature	0° to +20°C
Battery spare part	1225616; ATEX/IECEx certified battery for the ECOTOXPLUS.	Pressure	Toxic: Atmospheric ± 10%, Oxygen: 80 to 120 kPa
Exact spare sensor	PH3 sensor, 0-5 ppm (1215388).	Housing	TPU/PC
Calibration adapter	1225218; Flow / calibration adapter for the ECOTOXPLUS.	Carrying clip	Crocodile carrying clip, Stainless Steel
Crocodile clip spare part	1225603; Stainless Steel crocodile clip.	Dimensions	82 x 56 x 42 mm (H x W x D, excl. carrying clip)
Gas hose for non-corrosive gases	1225819; Flexible gas hose, Ø 4x6mm, suitable for non corroisve gassses 1 meter.	Weight	Approximately 110 gram (incl. carrying clip)
Gas hose for corrosive gases	1910204; Flexibele gas hose, Ø 4x6mm, suitable for corrosive gasses1 meter.	CE marking	ATEX (Directive 2014/34/EU); Radio Equipment Directive (Directive 2014/53/EU)
Flow regulator brass	9990600; Flow regulator Chrome / brass nickleplated (applicable for 58/110 gas liters), fixed flow 0.5 l/min.	Approvals	ATEX II 2 G Ex ia IIC T4 Gb; IECEx Ex ia IIC T4 Gb (Tamb -20° to +60°C) (Printed manufacturer certification claims; current validity not verified)

Flow regulator SS	9990601; Fixed Flow regulator SS (applicable for 58/110 gas liters), fixed flow 0.5 l/min.	Legal manufacturer	Consilium Safety Netherlands B.V.