

Dräger VarioGard 3x00 Transmitter Stationary Gas Warning System

Dräger VarioGard 3x00 Transmitter with integrated sensor for gas detection in ambient air. Inexpensive system component for building a simple digital gas warning system.

DIGITAL FUNCTIONAL SAFETY

The Dräger VarioGard 3x00 Transmitter is a VarioGard gas warning system component. A VarioGard system comprises a central unit and various components connected and supplied by a digital VarioGard bus.

HIGH RELIABILITY

Field-proven DrägerSensors in the Dräger VarioGard 3x00 Transmitter measure the concentration of noxious gases in the ambient air. The measured values are digitally transmitted to the central unit for visualisation. If the value exceeds predefined limits an alarm will be triggered.

SIMPLE HANDLING

Operation is extremely simple. All necessary settings are performed via VarioGard software from the central unit.

Four actual limits and four time averaged values may be set and adjusted for every Transmitter. Alarms are visually and acoustically indicated by the Transmitter and transmitted to the central unit. The three-color LED indicates the operating status of the Transmitter. The calibration procedure is performed via a magnetic wand and contact pads.

FLEXIBLE HOUSING

Two housing version are available. An inexpensive plastic and a extremely sturdy metal housing. Cable inlets may be attached on all transmitter sides. The transmitter may be mounted both horizontally and vertically.



D-6387-2010



D-6452-2010

Dräger VarioGard 3x00 AL
Sturdy metal case Transmitter
for selected gases



D-6453-2010

Dräger VarioGard 3x00 PL
Economical Transmitter in plastic
housing for selected gases

TECHNICAL DATA

Typ	Transmitter for measuring gas concentration in ambient air	
Gases and ranges	Carbon monoxide CO	0 to 300 ppm
	Ammonia NH ₃	0 to 1200 ppm
	Oxygen O ₂	0 to 25 % by Vol.
	Nitric oxide	0 to 50ppm
	Nitrogen dioxide NO ₂	0 to 20ppm
	LPG	0 to 100 % LEL
Displays	Three-colour LED (green, yellow, red); operation, warning, alarm	
Inputs	2 function keys	
Alarm output	Horn and red LED	
Alarms	Eight configurable alarm limits	
Electrical data	Three-core cable	16V to 30V DC, GND, VarioGard bus
Ambient conditions	Temperature	-20 °C to 50 °C/ -5 °F to 120 °F
	Humidity	10 to 90 RH, non-condensing
	Pressure	700 to 1300 hPa / 20.7 to 38,4 inch Hg
Standards	VDI 2053 (2004) Air treatment systems for car parks EN 50545-1 Measurement of toxic gases in car parks and tunnels	
Dimensions (incl. one cable gland)	Plastic	120 x 110 x 60 mm / 47,3" x 43,3" x 23,6" (WxHxD)
	Aluminium	120 x 120 x 60 mm / 47,3" x 47,3" x 23,6" (WxHxD)
Weight	Plastic	0.4 kg / 0.88 lb
	Aluminium	1.0 kg / 2.2 lb
Housing	Plastic ABS light grey RAL 7035 IP 65 Aluminium light grey RAL 7035 IP 65	
Cable inlet	M20 x 1.5; 6 – 12 mm / 0.23" – 0,47"	

ORDER INFORMATION

VarioGard 3000 EC CO PL (plastic housing)	83 22 050	VarioGard 3000 EC CO AL (alu-housing)	83 22 055
VarioGard 3000 EC NO ₂ PL (plastic housing)	83 22 051	VarioGard 3000 EC NO ₂ AL (alu-housing)	83 22 056
VarioGard 3000 EC NH ₃ PL (plastic housing)	83 22 052	VarioGard 3000 EC NH ₃ AL (alu-housing)	83 22 057
VarioGard 3000 EC O ₂ PL (plastic housing)	83 22 053	VarioGard 3000 EC O ₂ AL (alu-housing)	83 22 058
VarioGard 3000 EC NO PL (plastic housing)	83 22 054	VarioGard 3000 EC NO AL (alu-housing)	83 22 059
VarioGard 3200 CAT PL (plastic housing)	On request	VarioGard 3200 CAT AL (alu-housing)	On request
Calibration adapter VarioGard 3x00	83 22 015	Software-Kit VarioGard 3x00 (incl. USB adapter)	83 22 016
Magnetic wand	45 43 428	Cable gland M20 x 1.5 (Set 10 each)	83 15 420
Technical manual VarioGard System	90 33 191	Operating manual VarioGard	90 33 185

HEADQUARTERS

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