

NS II LCD



GAS DETECTOR – ATEX Zone 2



The **NS II LCD** gas detector from DEGA is a stand-alone device equipped with an LCD to display the current gas concentration.

The detector has a digital interface RS485 (DEGA) and an analog interface (4-20mA) and can be connected to a control unit (e.B. UPA III, UKA III, UDA III). Optionally, the detector can also be equipped with a relay module with 4 alarm relays.

Up to eight detectors can be connected to DEGA's controller UKA III. It is also possible to

connect a flood sensor and a temperature sensor. All sensor data can be displayed on the controller and the control panel has two common relays. The detectors are connected to the control panel via RS485-DEGA and are also supplied with voltage.



FEATURES – NS II LCD

- **Sensors** – Catalytic, Electrochemical, Infrared, PID, Semiconductor
- **ATEX** – Suitable for potentially explosive atmospheres ATEX Zone 2
- **Enclosure protection class** – IP54 or IP64 with water protection cover
- **Software** – configuration and service software, visualization software for the controller

SPECIFICATIONS – NS II LCD

Gases / Refrigerants	HFOs (R1234ze), ammonia, gasoline vapor, butane, oxygen, methane, propane, etc. Other gases on request
Lifespan – Sensor	Catalytic: up to 2 years; Electrochemical: up to 3 years; IR: over 5 years; PID: 1 year
Output	Analog output 4-20mA; RS485 (MODBUS – optional); 4 x Alarm relays (optional)
Power Supply	8-30 VDC; max. 3.7W
Dimensions / Weight	140 x 140 x 70 mm / 700 g
ATEX	II 3 G db ice c nC IIC T5/4 Gc Tamb: 0-40°C
Ambient Conditions	Max. 95% RH
Placement	BE3N2 – Explosion Hazard Environment, Zone 2

TECHNICAL DATA – UKA III 4 / 8

Power Supply	24VDC / 0.6A; 230VAC / 15VA (optional)
Output	2 x Alarm relay (3 more relays, optional), Audible & Visual signal output, Analog 4-20mA, USB
Dimensions / Weight	250 x 145 x 65 mm / 800 g
Internal memory	34 days with 60s interval (Optional)
Approvals	EN61508
Ambient Conditions	-20°C to +85°C / max. 95% RH
Placement	BE1 – Environment without risk of explosion

IM Environmental Equipment Germany GmbH reserves the right to make technical changes.