

Dräger RAB 7000

Remote Access Box for the Dräger PIR 7x00

The Dräger RAB 7000 Remote Access Box is an explosion-proof control unit for the Dräger PIR 7000 and Dräger PIR 7200 fixed gas detectors. The Dräger RAB 7000 allows these gas detectors to be operated with ease, even from a distance or in sites that are difficult to access.



CALIBRATION AT INACCESSIBLE OR REMOTE SITES

The Dräger RAB 7000 Remote Access Box is permanently installed and allows calibration of the Dräger PIR 7000 and Dräger PIR 7200 gas detectors. The line connecting the gas detector to the Dräger RAB 7000 can be up to 30 metres / 98.5 feet in length. The gas detector parameters that are relevant to calibration and may require adjustment, such as the calibration gas, calibration gas unit and calibration gas concentration, can be checked and set using the Dräger RAB 7000.

ACCESSORIES FOR REMOTE GASSING

In combination with the accessories available for the Dräger PIR 7000 and Dräger PIR 7200 gas detectors, e.g. the bump test adapter or flowcell (performance approved), the Dräger RAB 7000 offers a convenient method of performing remote gassing in addition to remote calibration.

EXPLOSION-PROOF DESIGN

For use in potentially explosive atmospheres, the Dräger RAB 7000 is approved per ATEX directive (94/9/EC) for device categories II 2G and II 2D, and can be installed in zones 1, 2, 21 or 22. The internal converter module features a flameproof enclosure with IP 30 terminals, so the Dräger RAB 7000 can also be opened up for maintenance purposes in a potentially explosive area.

SIMPLE MENU GUIDANCE

Operation of the Dräger RAB 7000 is menu-guided, with all information displayed on the three-character illuminated dot matrix screen. No additional special tools are needed because the Dräger RAB 7000 is simple to operate via two push-buttons. When calibrating both the zero-point and the sensitivity, measured values before and after calibration are displayed to allow detailed documentation.



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ORDER INFORMATION

Dräger RAB 7000	Ex e approved, including cable gland and stopping plug	68 12 830
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TECHNICAL DATA**Dräger RAB 7000**

Type	Ex-proof control unit for the Dräger PIR 7000 / 7200 gas detectors
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Electrical data

Supply voltage	9 to 30 V DC, 3-wire installation
Power consumption	≤ 1.0 W

Ambient conditions

Temperature	-40 to +80 °C / -40 to +176 °F
Humidity	5 to 95 % RH, non-condensing
Pressure	700 to 1300 hPa / 23.6 to 32.5 inch Hg

Housing

Material	Glass fibre-reinforced plastic, electrically conductive
Weight	approx. 250 g
Dimensions	approx. 110 x 150 x 60 mm (W x H x D) / 4.3" x 5.9" x 2.4"
Ingress protection	IP 65 and IP 66

Approvals

ATEX	II 2G Ex d(e) IIC T6/T4 (-40 °C ≤ Ta ≤ +65 / +80 °C) / (-40 °F ≤ Ta ≤ +149 °F / +176 °F) II 2D Ex tD A21 IP6x T80 °C/T130 °C (-40 °C ≤ Ta ≤ +65 / +80 °C) / (-40 °F ≤ Ta ≤ +149 °F / +176 °F)
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