

# Technical Data Sheet

## Dräger X-plore® 8000

### Helmet with visor

1.0 General Data																	
1.1	Manufacturer	Dräger Safety AG & Co. KGaA															
1.2	Designation	Dräger X-plore 8000 Helmet with visor, white      Dräger X-plore 8000 Helmet with visor, black															
1.3	Dräger part number	R59910      R58325															
1.4	GTIN-Code	04026056011315      04026056012558															
1.5	Intended use	The X-plore® 8000 Helmet with visor serves as a facepiece for the use with the Powered Air Purifying Respirator Dräger X-plore 8000.															
1.6	Functional description	The Dräger X-plore® 8000 helmet with visor consists of a safety helmet with a visor and face cuff. The safety helmet absorbs the energy of an impact through the partial destruction or damaging of the helmet's shell. The visor protects the face against solid and liquid particles. The face cuff fits the contours of the face. A ventilation duct is integrated in the safety helmet. If a powered air purifying system or airline breathing apparatus is connected, the filtered air is guided through the ventilation duct to the user's face. The resulting overpressure prevents polluted ambient air from penetrating. Excess air escapes through ventilation holes in the face cuff.															
1.7	Relevant Standards	EN 397:2012+A1:2012 LD -30°C MM 440V a.c. (Approval as safety helmet) EN 50365:2002 1000V a.c. 1500V d.c. (Approval as an electrically insulating helmet for work on low voltage installations) EN 166:2001 1 B 9 3 (PC visor) ; 1 F 3 (AC visor) EN 352-3:2002 (Ear muffs) ANSI ISEA Z89.1-2014 Type 1 Class E 20,000V a.c. (Helmet) ANSI ISEA Z87.1-2010 Z87+ (PC visor) ; Z87 (AC visor) (Eye protection) ANSI S3.19-1974 (Ear muffs) AS/NZS 1801:1997+A1:1999 TYPE 1 (Helmet with ear muffs) AS/NZS 1337.1:2010 (Eye protection) Approved in combination with Dräger X-plore 8000 (please see technical data sheet Dräger X-plore 8500 and Dräger X-plore 8700) Approved in combination with Dräger X-plore 9300 (please see technical data sheet Dräger X-plore 9300) Approved in combination with Dräger X-plore 7300 (please see technical data sheet Dräger X-plore 7300)															
1.8	Use due to electrostatic properties (measured according to IEC/TS 60079-32-1*)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Helmets</th> </tr> </thead> <tbody> <tr> <td>Potentially explosive area (zone)</td> <td colspan="2">Explosion group</td> </tr> <tr> <td>Zone 20, 21, 22</td> <td colspan="2">IIIA, IIIB, IIIC</td> </tr> <tr> <td>Zone 0</td> <td colspan="2">IIA, IIB</td> </tr> <tr> <td>Zone 1, 2</td> <td colspan="2">IIA, IIB, IIC</td> </tr> </tbody> </table> <p>* The tests and evaluations were carried out by DEKRA Exam GmbH, specialist for explosion protection, mining test track. The results given were achieved with the protective foil (R58328) attached. The protective foil must be applied or removed outside the potentially explosive atmosphere. The results also apply to both visors (PC visor (R58331) and AC visor (R58332)) and include the ear muffs (R58329). In potentially explosive atmospheres, the head-protecting textile material of the Dräger X-plore Helmet must fit tightly to the helmet and must not be removed.</p>	Helmets			Potentially explosive area (zone)	Explosion group		Zone 20, 21, 22	IIIA, IIIB, IIIC		Zone 0	IIA, IIB		Zone 1, 2	IIA, IIB, IIC	
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2.1	Material	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Visor</td> <td>PC (as a spare part also available in AC)</td> </tr> <tr> <td>Helmet shell</td> <td>ABS</td> </tr> <tr> <td>Face cuff</td> <td>PU-coated PA</td> </tr> <tr> <td>Sweatband</td> <td>Nylon, foamed</td> </tr> <tr> <td>Visor bracket</td> <td>Nylon</td> </tr> </tbody> </table>	Visor	PC (as a spare part also available in AC)	Helmet shell	ABS	Face cuff	PU-coated PA	Sweatband	Nylon, foamed	Visor bracket	Nylon					
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2.2	Size of Visor	320 mm x 160 mm															
2.3	Harness	adjustable from 510 to 630 mm															
2.4	Weight (approx.)	630 g															
2.5	Operating temperature	- 5 °C to +50 °C (limited through EN 397)															
2.6	Storage temperature	- 5 °C to +55 °C															
2.7	Operating / storage humidity	≤ 90 % relative humidity															

<b>3.0 Documentation</b>	
3.1 Marking	<p>The name plate includes the following information:</p> <ul style="list-style-type: none"> <li>- Part number</li> <li>- Approval marking ("EN 12941 - TH2")</li> <li>- Date of manufacture</li> <li>- Symbol "Follow instructions for use"</li> <li>- Manufacture ("Dräger")</li> <li>- CE-marking ("CE 0158")</li> <li>- Product name</li> <li>- Approval marking ("BSEN:2012+A1:2012")</li> <li>- CE-marking ("CE 0086")</li> <li>- Date of issue</li> <li>- Marking in accordance with EN 50365:2002</li> <li>- Serial number</li> <li>- Approval marking ("BS EN50365:2002, Class 0, 1000V a.c., 1500V d.c., ANSI/ISEA Z89.1-2003, Type 1 Class E")</li> </ul>
	<p>Visor:</p> <ul style="list-style-type: none"> <li>- Part number</li> <li>- Approval markings with character symbols ("EN 166 1 B 9 3", "Z87+", "AS/NZS1337.1:2010")</li> <li>- Date of manufacture</li> <li>- CE-marking ("CE 0158")</li> </ul>
3.2 Instructions for use	Each packaging unit contains an IFU in the following languages: English, German, French, Spanish, Portuguese, Italian, Dutch, Danish, Finnish, Norwegian, Swedish, Polish, Russian, Croatian, Hungarian, Slovenian, Slovakian, Czech, Bulgarian, Romanian, Turkish, Chinese
<b>4.0 User notes and limitations</b>	
	The devices conform to the minimum requirements of the standard indicated by the class and type of the filter it is marked with. It must be noted that laboratory values can differ from those measured in practice. This may result in longer or shorter breakthrough times. The user must read and understand the instructions for use. Additionally, the knowledge of all relevant application rules is mandatory (see in particular, the restrictions on the use of filtering devices). Further information upon request.