

Germany

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com					
Status:	Current	Issue No: 0			
Date of Issue:	2024-03-19				
Applicant:	DURAG GmbH Kollaustrasse 105 22453 Hamburg Germany				
Equipment:	Dust monitor type D-R 808 M *-*E*-*				
Optional accessory:					
Type of Protection:	Increased safety "ec" in combination protection by enclosure "tc"	with sealed devices "nC", inherently safe optic	cal radiation "op is" and		
Marking:	Ex ec nC op is IIC T4 Gc				
	Ex op is tc IIIC T100 °C Dc				
	-40 °C ≤ T _a ≤ +60 °C				
Approved for issue of Certification Body:	on behalf of the IECEx	DrIng. Peter Cimalla			
Position: Signature:		Deputy Head of department Certificati	on Body		
(for printed version)		Sou Lov.			
Date: (for printed version)		2024-03-19			
 This certificate and This certificate is no The Status and aut 	schedule may only be reproduced in full. ot transferable and remains the property of the issu henticity of this certificate may be verified by visiting	ing body. g www.iecex.com or use of this QR Code.			
Certificate issue IBExU Institu Fuchsmühlenv 09599 Freiberg	ed by: ut für Sicherheitstechnik GmbH veg 7	IB	EXU		

TM	IECEx Certificate of Conformity			
Certificate No.:	IECEx IBE 23.0013	Page 2 of 3		
Date of issue:	2024-03-19	Issue No: 0		
Manufacturer:	DURAG GmbH Kollaustrasse 105 22453 Hamburg Germany			
Manufacturing locations:				
This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended				
STANDARDS : The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards				
IEC 60079-0:2017 Edition:7.0	Explosive atmospheres - Part	0: Equipment - General requirements		
IEC 60079-15:2017 Edition:5.0	Explosive atmospheres - Part	15: Equipment protection by type of protection "n"		
IEC 60079-28:2015 Edition:2	Explosive atmospheres - Part	28: Protection of equipment and transmission systems using optical radiation		
IEC 60079-31:2022 Edition:3.0	Explosive atmospheres – Part	31: Equipment dust ignition protection by enclosure "t"		
IEC 60079-7:2017	Explosive atmospheres - Part	7: Equipment protection by increased safety "e"		

Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/IBE/ExTR23.0015/00

Quality Assessment Report:

DE/TUN/QAR11.0010/11



IECEx Certificate of Conformity

Certificate No .:

IECEx IBE 23.0013

Date of issue:

Page 3 of 3

2024-03-19

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The dust monitor type D-R 808 M Ex serves for measuring the dust concentration in flowing media. It operates according to the principle of forward scattering. Here, the bundled and modulated light of a red laser diode shines through the measuring volume. The light scattered by the dust particles in the forward direction is detected by a highly sensitive detector and evaluated by the electronics. The device consists of connection box including the electronic components and a probe which leads the laser light.

Technical data:

Nominal voltage: 24 V DC ± 10 %	
Power consumption ≤ 48 VA	
Digital Output: 2 NC/NO contacts with a maximum load of 60 V DC	/ 30 V AC; 0.5 A
Measuring output: 420 mA; 400 Ω	
Ambient temperature range: -40 °C+60 °C	

SPECIFIC CONDITIONS OF USE: NO