

## Confirmation of US EPA Compliance for D-R 320

As manufacturer of dust concentration monitors we herewith confirm that the following device meets or exceeds the requirements of US EPA 40 CFR60 PS11:

1. Instrument	Type	D-R 320
	Measurement	Dust concentration
	Zero and Span Check	Automatically or manually
	Contamination compensation	Automatic contamination compensation
	Path length	> 0.7m
	Ambient light immunity	Electronic light modulation
	Integration time	Integration time 1 ... 180s
	Digital interface	RS485 Modbus RTU
<b>2 Specifications</b>		
2.1 General	Range scattered light	min. 0-100 SL, max. 0 ... 20.000 SL
	Resolution	1 scattered light unit (SL) $\hat{=}$ ca. 0,01 mg/m <sup>3</sup>
	Input Power	24 VDC
	Ambient Temperature	-40 ... +60 °C
	Gas Temperature	Above dew point up to 600°C
	Protection Class	IP 65
2.2 LightSource and detection	Source	Laser diode, red
	Laser protection	Class II, <1 mWat 650nm
	Spectral range	650nm, max. 665nm
	Life time	> 5 years
	Photo detector	Double photodiode detector
	Aging compensation	Automatic
2.3 Performance	Response Time	< 20 seconds
	Zero drift	< 0.5 %
	Span drift	< 0.5 %
	Calibration error	< 1%
<b>3 Output</b>	Output signal	4 ... 20 mA and/or Modbus RTU

All test and controls have been carried out strictly in accordance with the quality assurance plan as checked and certified under ISO 9001 by TÜV certificate No. 07 100 940052.

The unit DURAG D-R 320 is certified acc. To EN 14181 / EN 15267 by TÜV Rheinland as per test report # 936/21222219/B and MCERTS certified.

**Signed for and on behalf of** DURAG GmbH

**Place, date** Hamburg, 17.10.2024

**Signature**

  
i.V. Rene Behrends

Product Compliance Manager DURAG GmbH

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