

CONFIRMATION

of Product Conformity (QAL1)

Sampling device: DPA-14 for suspended particulate matter PM₁₀ or PM_{2,5}

Manufacturer: Digitel Elektronik AG
Gartenweg 2
8604 Volketswil
Switzerland

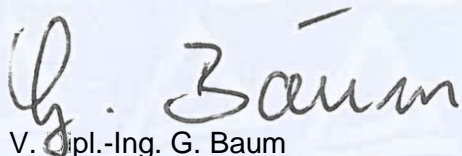
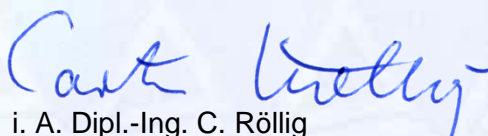
Test Institute:: TÜV Rheinland Energy & Environment GmbH

**This is to certify that the AMS has been tested
according to the standards
EN 12341 (2023)
as well as EN 15267-1 (2009) and EN 15267-2 (2023).**

The sampling device underwent independent expert testing and was accepted.
This confirmation is valid up to the publication of the certificate,
but no longer than 6 months from the date of issue
(this document contains 5 pages).

This confirmation is valid until: 30 April 2026

TÜV Rheinland Energy & Environment GmbH
Cologne, 4 July 2025


i. V. Dipl.-Ing. G. Baum
i. A. Dipl.-Ing. C. Röllig

www.umwelt-tuv.eu
qal1-info@tuv.com
Tel. +49 221 806-5200

TÜV Rheinland Energy & Environment GmbH
Am Grauen Stein
51105 Köln

Test institute accredited to EN ISO/IEC 17025 by DAkkS (German Accreditation Body).
This accreditation is limited to the accreditation scope defined in the enclosure to certificate D-PL-11120-02-00.

Confirmation:
4 July 2025

Test Report: EuL/21265825/A dated 17 February 2025

Expiry date: 30 April 2026

Approved application

The tested sampling device is suitable for sampling PM₁₀ or PM_{2.5} for subsequent gravimetric determination.

The suitability of the sampling device for this application was assessed on the basis of a laboratory test and a field test at a location close to the highway for over a month.

The AMS is approved for an ambient temperature range of -20° to +50°C.

The notification of suitability of the sampling device and performance testing have been effected on the basis of the regulations applicable at the time of testing. As changes in legal provisions are possible, any potential user should ensure that this sampling device is suitable for monitoring the measured values relevant to the application.

Note

The legal regulations mentioned do not correspond to the current state of legislation in every case. Each user should, if necessary, in consultation with the competent authority, ensure that this sampling device meets the legal requirements for the intended use. In addition, it cannot be ruled out that legal regulations governing the use of a measuring device for emission monitoring may change during the lifetime of the certificate.

Basis of the confirmation

This confirmation is based on:

- Test report EuL/21265825/A dated 8 February 2025 issued by TÜV Rheinland Energy & Environment GmbH
- The ongoing surveillance of the product and the manufacturing process
- Expert testing and approval by an independent body
-

Confirmation:
4 July 2025

AMS designation:

DPA-14 for PM₁₀ or PM_{2,5}

Manufacturer:

Digitel Elektronik AG

Field of application:

Sampling device for gravimetric determination of particulate matter PM_{2.5} or PM₁₀ in accordance with DIN EN 12341 (2023)

Software version:

SK0.AE

Restrictions:

none

Notes:

1. The test includes the device version DPA-14 Standard.
2. The test was carried out without optional cooling of the filter storage tank for the loaded filters.
3. The test report on the suitability test can be viewed on the Internet at www.qal1.de

Test Institute:

TÜV Rheinland Energy & Environment GmbH, Cologne
Report No.: EuL/21265825/A dated 17 February 2025

Confirmation:
4 July 2025

Tested product

This confirmation applies to automated measurement systems conforming to the following description:

The DPA-14 sampler is an automatic and sequential low volume sampler for dust sampling on membrane or fibre filters. The system includes a sampling line and can be operated with either a PM₁₀ sampling inlet or a PM_{2.5} sampling inlet. The ambient air is drawn in via the respective sampling inlet for PM₁₀ or PM_{2.5} with the aid of a blower. The dust-laden air is then separated by a membrane filter. After sampling, the dust separated on the filters is determined by external gravimetric weighing in accordance with European standard EN 12341. The filters can also be used for other analytical procedures such as the detection of heavy metals.

Confirmation:
4 July 2025

Technical specifications and operating parameters DPA-14 Standard

Sampling device	526 mm x 235 mm x 1020 mm 33 kg
Sampling tube	150 - 2500 mm
Sampling head	DIGITEL LVS / PM INLET, DPM10/2.3/00 or DPM2.5/2.3/00
Power supply	230 VAC at 50 - 60 Hz, max. 2A/180W
Power consumption	Average power consumption 80W
Installation conditions	Temperature -20 to +50 °C Humidity 0-95% rH
Sampling line 1	
Sample flow rate	2.3 m³/h = 38.33 l/min constant
Sampling tube	Aluminium, "Ematal" anodised
Filter management	Filter type plane filter, d = 47 mm Filter holder POM or anodised aluminium
Filter supply	30
Filter conditioning after sampling	Optional (no conditioning during the test)
Data recording	Interval 1 min - 24 h
Operating parameters	Flow rate (instantaneous and average), Pressure drop across the filter, Sampling time, Air temperature downstream of the filter, Filter storage temperature Ambient pressure Ambient temperature Ambient air humidity Humidity downstream of the filter Calibration protocols Test logs Power failure log
Interfaces	RS232C, RS485, USB, Ethernet