Umwelt Bundesamt

TÜVRheinland®
Precisely Right.

CERTIFICATE

of Product Conformity (QAL1)

Certificate No.: 0000087857_01

Certified sampling system:	DPA-14 for particulate matter PM_{10} and/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 and found to comply with the standards EN 12341 (2023), EN 15267-1 (2009) and EN 15267-2 (2023).

Certification is awarded in respect of the conditions stated in this certificate (this certificate contains 6 pages).
The present certificate replaces certificate 0000087857_00 dated 23 March 2026.

TÜVRheinland® CERTIFIED
Suitability Tested
Complying with 2008/50/EC
EN 15267
Regular Surveillance
www.tuv.com
ID 0000087857

Publication in the German Federal Gazette (BAnz) of 10 July 2026

This certificate will expire on: 9 July 2031

German Environment Agency
Dessau, 17 September 2026

TÜV Rheinland Energy & Environment GmbH
Cologne, 15 September 2026

Dr. Marcel Langner
Head of Section II 4

Dipl.-Ing. G. Baum

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 the certificate D-PL-11120-02-00.

Test report:	EuL/21265825/B dated 10 October 2025
Initial certification:	23 March 2026
Expiry date:	9 July 2031
Publication:	BAnz AT 10.07.2026 B5, chapter IV Number 4.3

Approved application

The tested sampling device is suitable for continuous sampling of PM_{10} and/or $PM_{2.5}$ for subsequent gravimetric determination.

The suitability for these applications was tested on the basis of a laboratory test and an one-month continuous field test.

The sampling device is approved for the ambient temperature range of -20 ° to +50 °C.

The notification of suitability of the sampling device and performance testing has 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.

Any potential user should ensure, in consultation with the manufacturer, that this AMS is suitable for the intended use.

Basis of the certification

This certification is based on:

- Test report EuL/21265825/B dated 10 October 2025 by TÜV Rheinland Energy & Environment GmbH
- Suitability announced by the German Federal Environment Agency (UBA) as the relevant body
- The ongoing surveillance of the product and the manufacturing process

Publication in the German Federal Gazette: BAnz AT 10.07.2026 B5, chapter IV Number 4.3, UBA announcement dated 18 May 2026:

Sampling device:
DPA-14 for particulate matter $PM_{2.5}$ and/or PM_{10}

Manufacturer:
Digitel Elektronik AG, Volketswil, Switzerland

Field of application:
Sampling device for the gravimetric determination of the particulate matter components $PM_{2.5}$ and/or PM_{10} in accordance with standard DIN EN 12341 (2023)

Software versions:

DPA-14 Standard (with fan):	SK0.AI
DPA-14 Standard (with pump):	LVs.AI
DPA-14 Baby:	SK0.AI
DPA-14 DL:	SK0.MI (Line 1) & SK0.SI (Line 2)

Restrictions:
None

Notes:
1. The test covers the device versions DPA-14 Standard (1 line), DPA-14 Baby (1 line) and DPA-14 DL (2 lines).
2. The DPA-14 Standard model can be fitted with a fan or a pump.
3. The DPA-14 Standard and DPA-14 DL versions can be operated with or without cooling of the filter storage unit for the pressurised filters.
4. The DPA-14 Baby and DPA-14 DL versions are fitted with a fan.
5. The DPA-14 Baby model is operated without cooling of the filter storage compartment for the loaded filters.
6. The DPA-14 DL model has been tested in the version for indoor installation (installation in a measuring station/cabinet).
7. The test report is available online at www.qal1.de.

Test Report: TÜV Rheinland Energy & Environment GmbH, Cologne
Report No.: EuL/21265825/B dated 10 October 2025

Certified product

This certificate applies to automated sampling 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 PM_{10} sampling inlet and/or a $PM_{2.5}$ sampling inlet. The ambient air is drawn in via the respective sampling inlet for PM_{10} 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.

The DPA-14 sampling device is available in the following versions / designs:

- DPA-14 Standard with blower (already approved) and
- DPA-14 Standard with pump (for general qualification of a pump instead of a blower)
- DPA-14 Standard with cooling unit (for general qualification of optional cooling of the pressurized filters for the DPA-14 Standard and DPA-14 DL)
- DPA-14 Baby (smaller overall size (maximum 18 filter holders can be used), changed positioning of the blower (top instead of bottom), no optional cooling of the pressurized filters)
- DPA-14 DL (2 parallel, independent sampling lines, indoor installation (e.g. in measuring containers)

The DPA-14 Baby version differs from the DPA-14 Standard version in the smaller overall size (a maximum of 18 filter holders can be used), the positioning of the blower (top instead of bottom) and the currently non-existent option of cooling the pressurized filters.

The DPA-14 DL version differs from the DPA-14 Standard version in that it provides two independent, identical sampling lines instead of one sampling line, thus enabling parallel sampling of $PM_{2.5}$ and PM_{10} with only one sampling device. The sampling lines are identical to the sampling line of the DPA-14 Standard, but the DPA-14 DL version differs from the DPA-14 Standard version in the size/volume of the housing, the actual arrangement of the components in the housing (position of the blowers) and the design for installation in a measuring station / cabin (no outdoor housing). In addition, the software has been adapted so that you can operate 2 lines via the touchscreen (easy switching between line 1 and line 2).

Technical specifications and operating parameters (manufacturer's specs)

Sampling device	**DPA-14 Standard**	**DPA-14 Baby**	**DPA-14 DL**
Dimension in mm	526 x 235 x 1020	466 x 235 x 591	448 x 455 x 756
Weight in kg	33 (with blower) 40 (with pump)	21	36
Sampling tube	1	1	2
	150 – 2500 mm	150 – 2500 mm	150 – 2500 mm
Sampling head	DIGITEL LVS / PM INLET, DPM10/2.3/00 and / or DPM2.5/2.3/00		
Power supply	230 VAC at 50 - 60 Hz,		
	max. 2A/180W		max. 4A/380W
Power consumption	80 W (blower) 150 W (pump)	80 W	160 W
Installation conditions			
Housing	Outdoor	Outdoor	Indoor
Temperature	-20 bis +50 °C	-20 bis +50 °C	-20 bis +50 °C
Humidity	0-95%	0-95%	0-95%
Sampling			
Sampling line	1	1	2
Sample air conveying	blower or pump	blower	blower
Sample flow rate	2,3 m³/h = 38,33 l/min constant		
Sampling tube	Aluminium, «Ematal»- anodised		
Filter management			
Filter type	plan filter, d = 47 mm		
Filter holder	POM or anodised aluminium		
Filter supply	30	18	2 x 30
Filter conditioning	optional	no	optional
	after sampling (no conditioning during the test)		
Data recording Interval	1 min – 24 h (10 min during the test)		
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		

General notes

This certificate is based upon the equipment tested. The manufacturer is responsible for ensuring that on-going production complies with the requirements of the EN 15267. The manufacturer is required to maintain an approved quality management system controlling the manufacture of the certified product. Both the product and the quality management systems shall be subject to regular surveillance.

If a product of the current production does not conform to the certified product, TÜV Rheinland Energy & Environment GmbH must be notified at the address given on page 1.

A certification mark with an ID-Number that is specific to the certified product is presented on page 1 of this certificate. This certification mark may be applied to the product or used in advertising materials for the certified product.

This document as well as the certification mark remains property of TÜV Rheinland Energy & Environment GmbH. Upon revocation of the publication the certificate loses its validity. After the expiration of the certificate and on request of TÜV Rheinland Energy & Environment GmbH this document shall be returned and the certificate mark must no longer be used.

The relevant version of this certificate and its expiration is also accessible on the internet: **qal1.de**.

Document history

Certification of the DPA-14 sampling system is based on the documents listed below and the regular, continuous surveillance of the manufacturer's quality management system:

Initial certification according to EN 15267
Certificate no. 0000087857_00: 23 March 2026
Expiry date of the certificate: 22 March 2030
Test report: EuL/21265825/A dated 08 February 2025
TÜV Rheinland Energy & Environment GmbH
Publication: BAnz AT 31.10.2025 B5, chapter III number 5.3
UBA announcement dated 27 August 2025

Supplementary testing according to EN 15267
Certificate no. 0000087857_01: 17 September 2026
Expiry date of the certificate: 9 July 2031
Test report: EuL/21265825/B dated 10 October 2025
TÜV Rheinland Energy & Environment GmbH
Publication: BAnz AT 10.07.2026 B5, chapter IV number 4.3
UBA announcement dated 18 May 2026