

20th of March 2026

VERT Focus Day 2026

HG4-PCK

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Introduction

HG4-PCK

Hella **G**utmann Generation **4** – **P**article **C**ounting **K**it



Top 5 Advantages



1

No hazardous goods in form of consumables needed for daily use

2

Unheated probe means cost savings and reduced risk of damages

3

Low maintenance effort

4

Display for certification relevant values directly on the device

5

Choose wireless or cable-connected data transfer as you prefer. RS485 interface allows cables with 20m length or more.

Field experience - HG4-PCK

More than 1 million PN emission tests performed within the last 2.5 years

Low maintenance efforts needed

Fail rate of PN test approx. 5%

Factor 2 opacity measurements were performed in this period

Factor 5 4-gas measurements were performed in this period

German type approval got revised until February 2033

Participation at “METAS soot/salt comparison“ and “PTB round robin test”

Thank you

Backup - Technical Data

Probe	500 mm Tip incl. Flexible tube 2000 mm hose
Measurement technology	Diffusion Charging (DC)
Display range	0...9.999.999 m ⁻³
Certified measuring range (DE)	5.000...500.000 m ⁻³
Particle size	23...200 nm
Particulate	solid particles
Response time T95	<15s
Dilution factor	2
Particle size dependent counting efficiency (CE)	23nm: 20...60%
	30nm: 30...120%
	50nm: 60...130%
	70nm: 70...130%
	100nm: 70...130%
	200nm: 50...200%