

## Chemical Indicator Type 4 for Hydrogen Peroxide according to EN ISO 11140-1

VH202

Art.-No.	Quantity [pc]	Product Code	Colour Change	Product Description
214-250	160	C-V-P-SV6	Red → Yellow	Multivariable Indicator (internal indicator) 65x14 mm
214-251	400			
214-253	3.200			
214-260	160	C-V-P-SV8	Red → Orange	
214-261	400			

### Application

The GKE Steri-Record® H<sub>2</sub>O<sub>2</sub> chemical indicators are used to monitor:

1. Sterilization processes with vaporized hydrogen peroxide
2. Room disinfection processes (isolators, ambulance cars etc).

The indicators are placed into packages in sterilization processes. In disinfection processes they are positioned openly on objects or adhered to walls. To select the appropriate indicator, we recommend testing both indicators simultaneously at the beginning and selecting the appropriate indicator for routine monitoring. For more details, the measurement of the dose is described in the GKE technical information 730-157.

### Product Description

The indicators consist of a plastic carrier, each contain one indicator dot and are self-adhesive for documentation. They are available with two different sensitivities. The chemical substances of the indicator are protected to bleed by a polymer binder coating and therefore, do not release toxic substances.

### Performance Characteristics

The indicators are in accordance with EN ISO 11140-1 Type 4. Since there is currently no international standardization for H<sub>2</sub>O<sub>2</sub> measurements, the indicator is measured in a test sterilizer developed by GKE. The test procedure is described in GKE's technical information 730-181.

### Handling Information

1. Take out indicator from the sheet.
2. Place indicator

In a sterilization process with the instruments in the package in the most difficult location	In a disinfection process in rooms to see if H <sub>2</sub> O <sub>2</sub> mist reached all surfaces
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3. Run the disinfection or sterilization process.
4. After completion remove the indicator and check the result. Use the reference colour chart for interpretation.

Art.-No.	Indicator starting colour	Indicator final colour
214-250 214-251 214-253	Hydrogen Peroxide Indicator EN ISO 11140-1 Type 4 C-V-P-SV6 <span style="border: 1px solid black; padding: 2px;">VH202</span> red → yellow	Hydrogen Peroxide Indicator EN ISO 11140-1 Type 4 C-V-P-SV6 <span style="border: 1px solid black; padding: 2px;">VH202</span> red → yellow
214-260 214-261	Hydrogen Peroxide Indicator EN ISO 11140-1 Type 4 C-V-P-SV8 <span style="border: 1px solid black; padding: 2px;">VH202</span> red → orange	Hydrogen Peroxide Indicator EN ISO 11140-1 Type 4 C-V-P-SV8 <span style="border: 1px solid black; padding: 2px;">VH202</span> red → orange

5. The indicator is self-adhesive and shall be adhered in the documentation sheet.

### Storage and Disposal

1. Store all indicators in the original package and away from sterilizer or sterilizing agent. Ideally, keep in a separate room.
2. Store indicators always between 5-30 °C or 41 - 86°F and a humidity of 5 - 80% RH.
3. The vapour of chemicals, especially hydrogen peroxide, may change the indicator before or after sterilization. Therefore, do not store them together with other chemicals.
4. The indicators should not be used after expiry date. They may be disposed with normal waste.

For further technical details please contact your local dealer or GKE directly. We will assist you with any technical questions. Visit our website [www.gke.eu](http://www.gke.eu) for more information.

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