

## Overview of electrode applications GE xxx

### 5 Choose the right electrode

	GE 014	GE 100	GE 101	GE 103	GE 104	GE 106	GE 107	GE 108	GE 109	GE 114	GE 117	GE 120	GE 125	GE 126	GE 135	GE 151	GE 170	GE 171	GE 173
Sewage														X					X
Aquarium water	X	X			X	X	X	X	X	X	X			X		X			X
Soil testings			X																
Emulsions			X		X														X
On-site measurements							X	X	X	X	X		X		X				
Fish farming	X	X			X	X	X	X	X	X	X		X	X	X	X			
Photo laboratory				X															
Galvanic baths				X												X			X
Beverages													X		X	X			X
Low-ion media (Rain water, some aquariums, VE water)					X	X													X
Cosmetics					X														
Food sample			X									X							
Sea water	X	X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X
Process chemistry																X	X	X	X
Online measurements																	X	X	X
Swimming pool water	X	X				X		X		X	X		X	X	X	X			X
Suspensions			X		X														X
Drinking water	X	X			X	X		X		X	X		X	X	X	X			X
Water-based lacquers					X														X

For most applications, the GE 114 or the GE 100 can be used.  
Some different applications requires a special electrode.

- GE 100 is a universal electrode with two ceramic diaphragms and liquid.
- GE 101 is preferably used for small sample amounts. It comprises a glass electrode with two ceramic diaphragms and liquid electrolyte.
- GE 104 is preferably used for measurements in low-ionic media, such as rainwater, aquarium water and deionized water.
- GE 114 is a universally applicable, durable and low-maintenance gel electrode with Pellon diaphragm. It can be used for measurements in drinking water, swimming pools, aquaria and slightly contaminated waste water.
- GE 117 is a temperature-compensated gel electrode with two ceramic diaphragms and PH 13.5 cable screw coupling.
- GE 120 is an insertion electrode and is preferably used for measurements in cheese, fruit and meat. For measurements in products containing proteins, the electrode must be cleaned with a special cleaner. For this purpose, we recommend the GRL 100 pepsin cleaning solution.

- GE 125 is a waterproof, universally applicable, durable and low-maintenance gel electrode with ceramic diaphragm. It can be immersed above the shaft for an extended time.
- GE 126 is a extremely low-maintenance and long-term stable gel electrode with ceramic diaphragm.
- GE 135 is a waterproof, universally applicable, durable and low-maintenance gel electrode with ceramic diaphragm. It can be immersed above the shaft for an extended time.
- GE 151 is a glass electrode and is preferably used in galvanic applications for paints and lacquers.
- GE 173 is an alkaline-resistant glass electrode with ground diaphragm and gel electrolyte for chemical and waste water applications.