

Ionselective Electrodes, METTLER TOLEDO

Ion-selective/gas-sensitive electrodes are used to determine the concentration of individual ions and gases in aqueous solution. Their easy operation and comparatively simple construction often provide advantages over elaborate wet-chemical, instrument-based analysis methods.

Ion-selective electrodes have to be combined with a suitable reference electrode (InLab® 302). The latter is not required by gas-sensitive electrodes (combination electrodes).

Type	Membrane	Measuring range mol/l	Temp. combi- ned °C	Order No.
① Fluoride	Solid-state membrane.	$1 - 10^{-6}$	0 – 80 no	61 50 22007
① Chloride	Solid-state membrane.	$1 - 5 \times 10^{-6}$	0 – 80 no	61 50 22005
① Bromide	Solid-state membrane.	$1 - 5 \times 10^{-6}$	0 – 80 no	61 50 22002
① Calcium	Polymer matrix memb..	$1 - 10^{-6}$	0 – 50 no	61 50 22004
① Potassium	Polymer matrix memb..	$1 - 10^{-6}$	0 – 50 no	61 50 22009
① Ammonium	Polymer matrix memb..	$1 - 10^{-6}$	0 – 50 no	61 50 22000
① Nitrate	Polymer matrix memb..	$1 - 10^{-5}$	0 – 50 no	61 50 22012
② Sodium	Glass electrode	$1 - 10^{-7}$	0 – 80 no	61 50 40263
③ Ammonia	gas-permeable memb..	$10^{-2} - 10^{-6}$	0 – 50 yes	61 50 22015
③ Carbon dioxide	gas-permeable memb..	$10^{-2} - 10^{-4}$	0 – 50 yes	61 50 22017
③ Nitrogen oxide	gas-permeable memb..	$10^{-2} - 10^{-6}$	0 – 50 yes	61 50 22016
④ Reference electr. InLab® 302 ¹⁾	Installation length	120 mm	0 – 60 no	61 50 00129

Other ISEs on request!

