



Measuring Instruments for RPM, Analysis, Current/Voltage



pH

°C

mV

mS/cm

µS/cm

mg/l NaCl

%TPM

rpm

rpm

V

mA

Overview

pH electrodes / conductivity measurement sensors and their applications

(Part no. 0650 2063) (Part no. 0650 1623) (Part no. 0650 0245) (Part no. 0650 2064)

Applications

Part-aqueous sol. >10% H ₂ O		+		-
Part-aqueous sol. <10% H ₂ O		0		-
pH measurements at temperatures up to 100 °C	-	-		-
TRIS buffer solutions	0	+		+
Effluent samples	+	+		+
General aqueous solutions	+	+		+
Aquariums	+	+		+
Beer, fruit juice, wine	0	+		0
Yoghurt, cheese		-	+	-
Substances containing protein	-	0	+	-
Emulsions, aqueous		+		0
Emulsions, part aqueous		+		-
Earth (suspension)	0	+		-
Extreme pH values (pH<1, pH>13)	0	0		-
Penetration meas. in meat	-	-	+	-
Penetration meas. in fruit,veg	-	-	+	-
Substances with hydrofluoric acid	-	-		-
Galvanic sewage		+		-
Hot electrolyte	-	0		-
Highly viscous solutions		0		-
Infusion solutions		+		0
Solutions low in ions	-	0		0
Jams		-	+	-
Cosmetic products		0		-
Leather, paper	0	-		-
Milk		+	+	+
Pure and rain water	-	+		0
Cream, whipped yoghurt		0	+	-
Brine	0	+		+
Swimming pools	+	+		+
Soaps, detergents		+		-
Aqueous suspensions		+		-
Part-aqueous suspensions		+		-
Pastry, bread		-	+	-

+ suitable 0 suitable in certain cases - not suitable

Order no. 0650 2063

pH universal plastic electrode without temperature sensor

Order no. 0650 2064

pH universal plastic electrode with temperature sensor

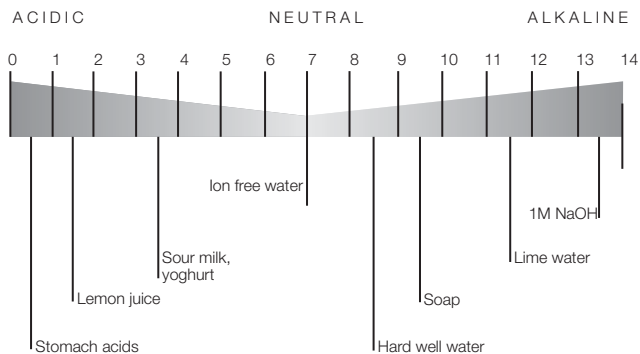
Order no. 0650 1623

pH glass electrode with temperature sensor

Order no. 0650 0245

pH food electrode without temperature sensor

Analytical instruments are only as accurate as the sensor used. When measuring pH only those probes suited to the particular substance can guarantee an accurate reading.

Why You Should Choose Analysis Instruments from Testo
Examples of the pH values of everyday substances

Definition of the pH value

pH is the abbreviation of the Latin expression „pondus hydrogenii“ (pondus = pressure, hydrogenium = hydrogen).

It is therefore a measure for the activity of the hydrogen ions in a substance. The activity is connected directly to its acidic, neutral or alkaline character.

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