



ELECTRONIC METER



ELECTROCHEMICAL MEASUREMENT

PH, CONDUCTIVITY (EC), SALINITY (TDS), TEMPERATURE, ORP (REDOX), SALT, DO (DISSOLVED OXYGEN)

ATC (AUTOMATIC TEMPERATURE COMPENSATION) DEPENDING ON THE MODEL

FT7200

-2.00 – 16.00 pH
-1000 to +1000 mV
0 – 2000 µS/cm
2.00 – 20.00 mS/cm
0 – 1300 mg/l (TDS)
1.3 – 13.00 g/l (TDS)
0 – 1000 mg/l (Salt)
1.00 – 12.00 g/l (Salt)
0 – 90°C



FT7021

0 – 2000 µS/cm
2.00 – 20.00 mS/cm
0 – 1300 mg/l (TDS)
1.3 – 13.00 g/l (TDS)
0 – 1000 mg/l (Salt)
1.00 – 12.00 g/l (Salt)
0 – 90°C



FT7011

-2.00 – 16.00 pH
-1000 to +1000 mV
0 – 90°C



FT7031

0.00 – 20.00 mg/l (DO)
0 – 200% (O₂)
0.0 – 90.0°C



FT11
pH 0.0 – 14.0



FT34 | FT36
TDS 0 – 2000 | 0 – 10000 mg/l



FT33 | FT35
0 – 1999 µS/cm | 0.00 – 19.99 mS/cm



FT6012
pH 0.00 – 14.00



FT6011
pH 0.0 – 14.0



FEATURES

Without requiring additional reagents (tablets, drops, etc.) Water-i.d.® Electronic Meters offer a professional way to measure various water parameters, such as conductivity, salinity (total dissolved solids), pH, Temperature and ORP (Redox). The test result is displayed on the device within seconds after dipping it in the water sample.

The sensitive pH and ORP electrodes should always be kept moist* and all Electronic Meter models should be calibrated regularly – at best before each measurement – with Water-i.d.® standard solutions. Depending on the model used, the measured values are automatically temperature compensated.



CONTENT

ITEM NO.	PRODUCT DESCRIPTION	MEASUREMENT RANGE	RESOLUTION	PRECISION	CALIBRATION	AUT. TEMP.-COMPENS.
FT11	Electronic pH Meter	pH (0.0 – 14.0)	0.1 pH	+/- 0.1 pH	1 point, manual	---
FT34	Electronic TDS Meter (Total Dissolved Solids)	TDS (0 – 1999 mg/l) (0.0 – 1.999 g/l)	1 mg/l	+/- 2% FS	1 point, manual	automatic 0 – 50°C with β = 2%/°C
FT36	Electronic TDS Meter (Total Dissolved Solids)	TDS (0 – 10000 mg/l) (0.00 – 10.00 g/l)	0.01 g/l	+/- 2% FS	1 point, manual	automatic 0 – 50°C with β = 2%/°C
FT33	Electronic EC Meter (Electronic Conductivity)	EC (0 – 1999 µS/cm) (0.0 – 1.999 mS/cm)	1 µS/cm	+/- 2% FS	1 point, manual	automatic 0 – 50°C with β = 2%/°C
FT35	Electronic EC Meter (Electronic Conductivity)	EC (0 – 19990 µS/cm) (0.00 – 19.99 mS/cm)	0.01 mS/cm	+/- 2% FS	1 point, manual	automatic 0 – 50°C with β = 2%/°C
FT6011**	Electronic pH Meter	pH (0.0 – 14.0)	0.1 pH	+/- 0.1 pH	1 point, manual	---
FT6012**	Electronic pH Meter	pH (0.00 – 14.00)	0.02 pH	+/- 0.01 pH	1 point, manual	automatic 0 – 90°C with β = 2%/°C
FT7011**	Electronic Meter for pH-, ORP-(Redox) and Temperature	pH (-2.00 – 16.00) ORP (+/- 1000mV) Temp. (0 – 90 °C)	0.02 pH 1 mV 0.1°C	+/- 0.01 pH +/- 2 mV +/- 0.2 °C	2 point, automatic	automatic 0 – 90°C with β = 2%/°C
FT7021**	Electronic Meter EC, TDS, Salt Temperature	EC (0 – 2000 µS/cm) (2.00 – 20.00 mS) TDS (0 – 1300 mg/l) (1.30 – 13.00 g/l) Salt (0 – 1000 mg/l) (1.00 – 12.00 g/l) Temp. (0 – 90 °C)	(1 µS/cm) (0.01 mS) (1 mg/l) (0.01 g/l) (1 mg/l) (0.01 g/l) 0.1°C	+/- 2 % EC +/- 2 % TDS +/- 2 % Salt +/- 0.2 °C	2 point, automatic	automatic 0 – 50°C with β = 2%/°C
FT7031**	Electronic Meter DO, O ₂ Temperature	DO (0.00 – 20.00 mg/l) O ₂ (0 – 200%) Temp. (0 – 90 °C)	0.01 mg/l 0.1 % 0.1°C	+/- 0.1 mg/l +/- 2 % O ₂ +/- 0.2 °C	2 point, automatic	automatic 0 – 50°C with β = 2%/°C
FT7200**	Electronic Meter pH, ORP, EC, TDS, Salt Temperature	pH (-2.00 – 16.00) ORP (+/- 1000mV) EC (0 – 2000 µS/cm) (2.00 – 20.00 mS) TDS (0 – 1300 mg/l) (1.30 – 13.00 g/l) Salt (0 – 1000 mg/l) (1.00 – 12.00 g/l) Temp. (0 – 90 °C)	0.02 pH 1 mV (1 µS/cm) (0.01 mS) (1 mg/l) (0.01 g/l) (1 mg/l) (0.01 g/l) 0.1 °C	+/- 0.01 pH +/- 2 mV +/- 2 % EC +/- 2 % TDS +/- 2 % Salt +/- 2 °C	2 point, automatic	automatic 0 – 90°C pH/mV 0 – 50°C EC TDS Salt β = 2%/°C

*Ideally, the electrode is stored in a 3-3.5 molar potassium chloride solution so that the concentration gradient and thus the ion migration out of the electrode is as low as possible
**With 21x18 mm display, IP57 waterproof, exchangeable electrode

WE PROVIDE NIST TRACEABLE CALIBRATION SOLUTIONS FOR VARIOUS PARAMETERS AND IN DIFFERENT CONCENTRATIONS! CALIBRATION SOLUTIONS ARE OFFERED IN 20ML SACHETS, 100ML/500ML/1 LITRE/3 LITRE/10 LITRE BOTTLES. 500ML AND 1 LITRE BOTTLES ARE ALSO AVAILABLE AS „NON RETURN BOTTLES“. WRITE TO SALES@PRIMELAB.ORG AND TELL US THE PARAMETERS YOU NEED. WE GLADLY PROVIDE YOU WITH A QUOTATION!