

ELECTRONIC METER

ELECTROCHEMICAL MEASUREMENT

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

**ATC (AUTOMATIC TEMPERATURE
COMPENSATION) DEPENDING
ON THE MODEL**



- DRINKING WATER
- LABORATORIES
- WASTE WATER
- MARINE
- BOILER WATER
- COOLING WATER
- POOLS
- FOOD PROCESSING



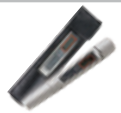



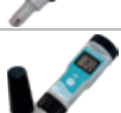




Without requiring additional reagents (tablets, drops, etc.) Water-i.d.® Electronic Meters offer a professional way to measure various water parameters, such as conductivity, salinity, total dissolved solids, pH, Temperature and ORP (Redox).

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.



	Item-Code	Product Description	Measurement Range	Resolution	Precision	Calibration	Automatic Temp. Compensation
	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

CALIBRATION SOLUTIONS

NIST TRACEABLE

MADE IN GERMANY

SPECIFIC FOR PH, TDS
& ORP ELECTRODES



*More available on request. Available in 20ml, 100ml 500ml, 1000ml and 10l packages.

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Item-Code*	Product Description	FT Model
EMpHbuf100	„pH 1.00“ calibration solution	--
EMpHbuf200	„pH 2.00“ calibration solution	--
EMpHbuf300	„pH 3.00“ calibration solution	--
EMpHbuf307	„pH 3.07“ calibration solution	--
EMpHbuf356	„pH 3.56“ calibration solution	--
EMpHbuf400	„pH 4.00“ calibration solution	FT7011, FT7200
EMpHbuf430	„pH 4.30“ calibration solution	--
EMpHbuf465	„pH 4.65“ calibration solution	--
EMpHbuf600	„pH 6.00“ calibration solution	--
EMpHbuf680	„pH 6.80“ calibration solution	--
EMpHbuf700	„pH 7.00“ calibration solution	FT6011, FT6012, FT7011, FT7200, FT11
EMpHbuf800	„pH 8.00“ calibration solution	--
EMpHbuf900	„pH 9.00“ calibration solution	--
EMpHbuf922	„pH 9.22“ calibration solution	--
EMpHbuf927	„pH 9.27“ calibration solution	--
EMpHbuf1000	„pH 10.00“ calibration solution	FT7011, FT7020
EMpHbuf1013	„pH 10.13“ calibration solution	--
EMpHbuf1100	„pH 11.00“ calibration solution	--
EMpHbuf1200	„pH 12.00“ calibration solution	--
EMpHbuf1300	„pH 13.00“ calibration solution	--
EMtdsbuf1382	„TDS 1382 ppm“ calibration solution	FT34
EMtdsbuf644	„TDS 6.44 ppt“ calibration solution	FT36
EMecbuf1413	„EC 1413 µS/cm“ calibration solution	FT7021, FT7200, FT33
EMecbuf1288	„EC 12.88 mS/cm“ (KCl 0.1 mol/l) cal. sol.	FT7021, FT7200, FT35
EMorpbuf468	„ORP +468mV“ calibration solution	FT7011, FT7200
EMorpbuf220	„ORP +220mV“ calibration solution	--

*More available on request. Available in 20ml, 100ml 500ml, 1000ml and 10l packages.