

# pH Meters

## Bench pH Meters, FiveEasy™ / FiveEasy Plus™

### METTLER TOLEDO

Compact, reliable, simple bench pH meters for routine measurement in industrial and educational applications.

- ◆ Simultaneous display of measurement, temperature and end-point recording with electrode condition and memory usage indicators
- ◆ Calibration with 3-point automatic buffer recognition with 4 pre-defined buffer groups, or 5-point automatic buffer recognition with 4 pre-defined buffer groups (FP20-model only)
- ◆ Automatic or manual temperature compensation
- ◆ Automatic or manual end-point recognition
- ◆ Separate pH, temperature and reference inputs
- ◆ Easy set-up using navigation keys and intuitive display icons
- ◆ Large, segmented LCD readout
- ◆ FiveEasy Plus™ FP20 model also includes the following features:
  - RS232 and USB interfaces for data transfer to the user's personal computer
  - data storage memory of 200 measurements

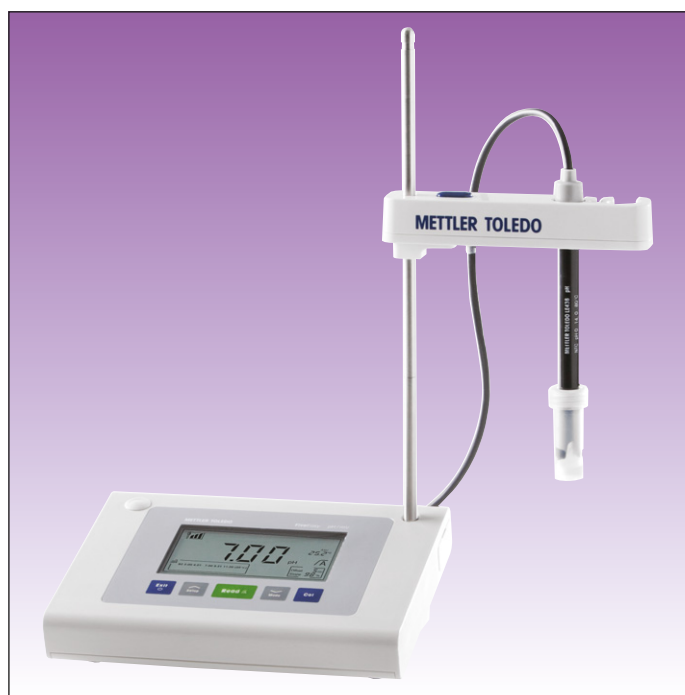
Model	F20	FP20
Ranges	pH	0.00 to 14.00
	mV	-2000 to +2000
	temperature	0.0 to 100.0°C (32 to 212°F)
Resolution	pH	0.01
	mV	1
	temperature °C	0.1
Calibration	3-point, 4 pre-defined buffer groups	5-point, 4 pre-defined buffer groups
Temperature compensation	Automatic or manual	Automatic or manual
Inputs	BNC (pH), Cinch/RCA NTC 20k (temperature), 2mm banana socket (reference)	BNC (pH), Cinch/RCA NTC 20k (temperature), 2mm banana socket (reference)
Impedance	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω
Memory storage	Current calibration only	Current calibration and 200 measurements
Interfaces	Analogue	RS232 and USB
Power	a.c. adapter requiring a 100-240V 50/60Hz supply — both models	
Overall W x D x H	mm 207x 147 x 70 — all models	
Weight	kg 0.63 — all models	

As described. Supplied as a standard kit with LE438 3-in-1 combination pH/°C electrode, electrode arm, 2 x pH4.01 and 2 x pH7.00 buffer sachets, power adapter and instructions. Alternatively the meter can be supplied on its own with power adapter and instructions only.

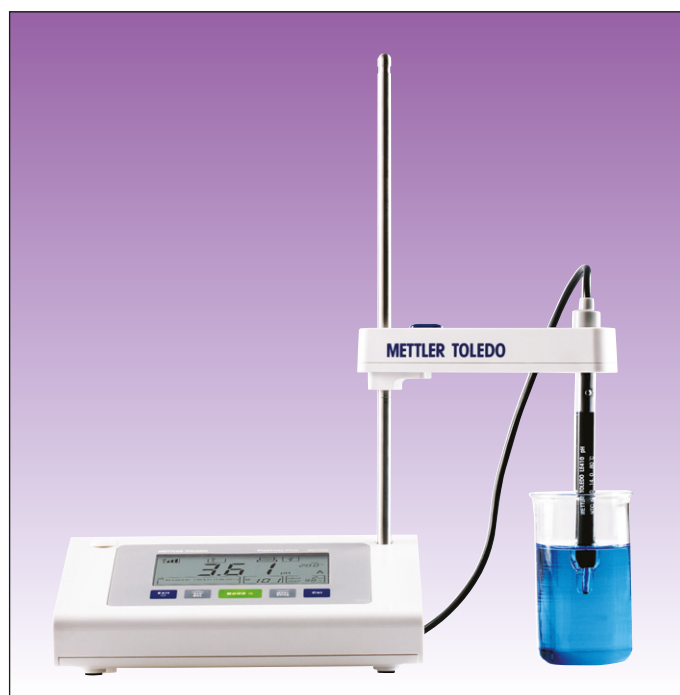
- PH615-11** F20-Standard kit
- PH615-14** F20-Meter only
- PH615-21** FP20-Standard kit
- PH615-24** FP20-Meter only

#### Accessories and Spares

- PH611-08** LE409 refillable glass pH electrode
- PH611-10** LE420 refillable glass pH electrode with adjustable PTFE junction, suitable for waste water, TRIS buffer solutions and oil samples
- PH611-16** LE407 robust, gel-filled pH electrode
- PH611-24** LE501 glass redox electrode
- PH611-26** LE422 micro pH electrode with gel electrolyte
- CU617-14** Temperature sensor NTC 30kOhm
- CU667-36** Spare electrode arm



PH615-11



PH615-21 in use