

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

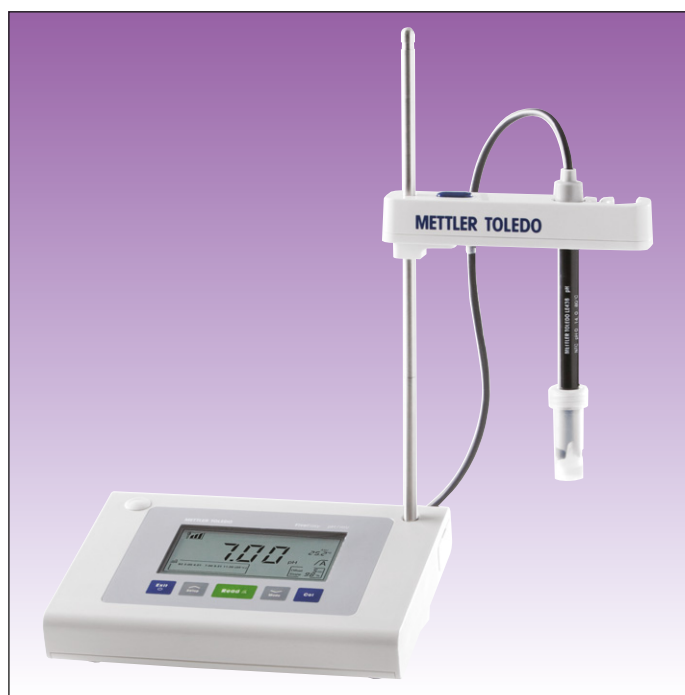
| Model | F20 | FP20 | |
|--------------------------|--|--|-------------------------------|
| Ranges | pH | 0.00 to 14.00 | -2.00 to 16.00 |
| | mV | -2000 to +2000 | -2000 to +2000 |
| | temperature | 0.0 to 100.0°C (32 to 212°F) | -5.0 to 105.0°C (23 to 221°F) |
| Resolution | pH | 0.01 | 0.01/0.1 |
| | mV | 1 | 1 |
| | temperature °C | 0.1 | 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 ¹² Ω | 10 ¹² 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.

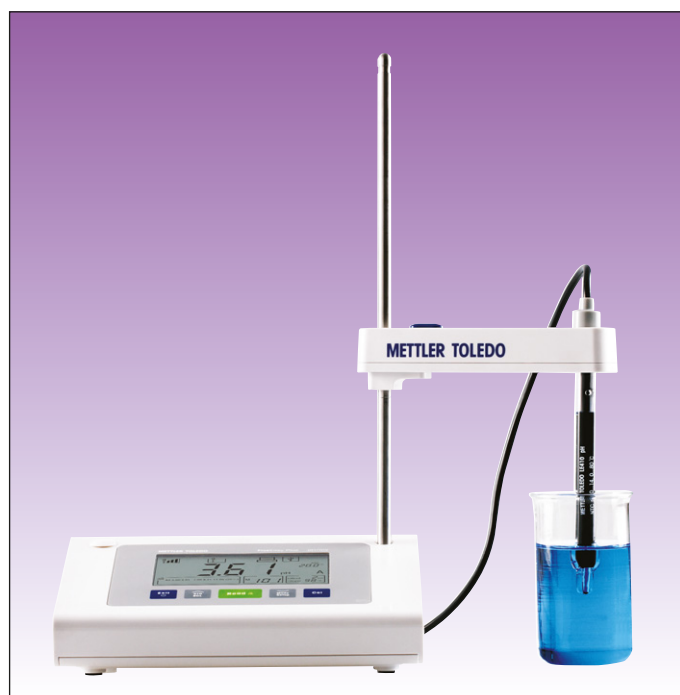
- PH615-11** F20-Standard kit
- PH615-14** F20-Meter only
- PH615-21** FP20-Standard kit
- PH615-24** FP20-Meter only

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