



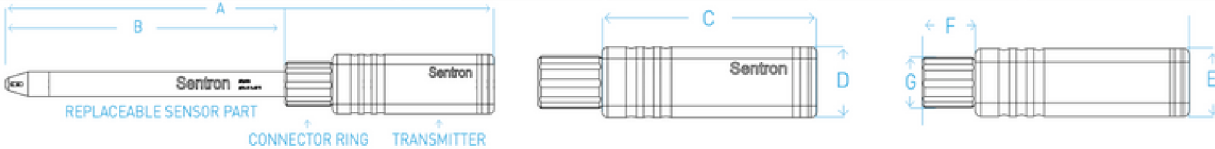


Sentron pH Probe Specifications

| ISFET pH probe | ConeFET | CupFET | LanceFET | MicroFET |
|--|---|--|---|--|
| Product order code | 3380-100 | 3320-100 | 2370-100 | 9370-100 |
| General description |  Robust general purpose probe |  Probe for measurements of small volumes (~ 20 µl) |  Steel tipped probe for easy penetration of firm samples (e.g. meat, fruits, ground). |  Laboratory probe of 3 mm diameter that fits tubes and mini-cuvettes |
| General fluids (low viscosity) | ✓ | ✓ | ✓ | ✓ |
| Semi fluids (low to medium viscosity) | ✓ | ✓ | ✓ | |
| Pastes and semi solids (medium to high viscosity) | ✓ | | ✓ | |
| Piercing applications (normal to medium force penetration) | | | ✓ | |
| General beakers and containers | ✓ | ✓ | ✓ | ✓ |
| Small sample volumes (one drop ~20 µl) | | ✓ | | ✓ |
| Narrow vials / test tubes (as small as Ø 3 mm) | | | | ✓ |
| Probe properties | ConeFET | CupFET | LanceFET | MicroFET |
| Connection | BLE (Bluetooth Low Energy) wireless connection to mobile device | | | |
| Compatibility | Compatible to the free Sentron app for Android, iOS and Huawei | | | |
| Status | RGB LED for status update / recognition to cloud-based application | | | |
| Data storage | Temporary data storage when mobile device is disconnected | | | |
| Mobile device minimal specs | Bluetooth 5.0 | | | |
| Ingress protection | IP67 dust and waterproof | | | |
| Battery | Wireless chargeable battery | | | |
| Battery operation time | 2...3 weeks | | | |
| Battery recharge time (wireless charger provided) | 2 hours | | | |
| Operation and storage temperature | 0...80 °C (32...176 °F) | | | |
| Operation and storage humidity | 30%...80% relative humidity | | | |

| Probe dimensions | ConeFET | CupFET | LanceFET | MicroFET |
|--|--|-------------------|-------------------|--------------------|
|  | | | | |
| Total length probe (A) | 224 mm (8.8") | 224 mm (8.8") | 227.3 mm (8.9") | 252 mm (9.9") |
| Length replaceable sensor part (immersible) (B) | 128 mm (5.0") | 128 mm (5.0") | 131.3 mm (5.2") | 110 mm (4.3") |
| Length x width x depth transmitter (C x D x E) | 74 x 24.2 x 20 mm (2.9" x 1.0" x 0.8") | | | |
| Length x outer diameter connector ring (FxG) | 22 x 18 mm (0.9" x 0.7") | | | |
| Materials transmitter / connector ring | ABS / PEEK | | | |
| Weight of complete probe | 55.0 gr. (1.9 oz) | 55.1 gr. (1.9 oz) | 55.2 gr. (1.9 oz) | 49.3 gr. (1.7 oz) |

Sentron pH Probe Specifications

| Replaceable sensor part | ConeFET | CupFET | LanceFET | MicroFET |
|---|--|-------------------|------------------------------------|------------------|
| Product order code | 3380-005 | 3320-005 | 2370-005 | 9370-005 |
| Physical properties | | | | |
| Barrel diameter (H) | 10 mm (0.4") | 10 mm (0.4") | 10 mm (0.4") | 3 mm (0.1") |
| Length adapter (I) | | | | 48 mm (1.9") |
| Diameter adapter (J) | | | | 10 mm (0.4") |
| Materials tip / barrel | PEEK / ABS | PEEK / ABS | Stainless steel point / PEEK / ABS | PEEK / PEEK |
| Weight | 18.0 gr. (0.6 oz) | 18.1 gr. (0.6 oz) | 18.2 gr. (0.6 oz) | 12.3 gr (0.4 oz) |
| pH | ConeFET | CupFET | LanceFET | MicroFET |
| Sensor | Glass-free Ion Sensitive Field Effect Transistor (ISFET) semiconductor | | | |
| Range | pH 0.00...14.00 | | | |
| Accuracy | +/- 0.02 pH | | | |
| Resolution | 0.01 pH | | | |
| Drift maximal (in pH7 @ 25°C) | 0.14 pH/day | | | |
| Drift typical (in pH7 @ 25°C) | 0.05 pH/day and lower | | | |
| Calibration | 1-, 2-, 3- and 5-point calibration | | | |
| Automatic Temperature Compensated (ATC) calibration | yes | | | |
| Calibration buffer types | Sentron buffers, DIN, NIST, JIS | | | |
| Reference system | ConeFET | CupFET | LanceFET | MicroFET |
| Type | non-flow | | | |
| Reference solution | gelled KCl | | | |
| Diaphragm | porous PTFE | porous PTFE | porous PTFE | ceramic |
| Temperature | ConeFET | CupFET | LanceFET | MicroFET |
| Sensor | NTC | | | |
| Accuracy | 1% | | | |
| Resolution | 0.1 °C (0.1 °F) | | | |
| Range | 0..80 °C (32...176°F) | | | |
| Application | ConeFET | CupFET | LanceFET | MicroFET |
| Application features | Cloud-based free, easy and intuitive application; Compatible to Android, Harmony OS and iOS; Calibration, acquisition, visualization, storage and export of measurement data; Up to 6 connectable probes for simultaneous wireless measurements; Real-time notifications whenever the pH value is out of reach; GPS location based pH map in Google maps; Language English, Dutch, Spanish, French, Chinese, Russian, Japanese, Swedish, Korean; Free downloadable in GooglePlay, Huawei App Gallery, AppStore. | | | |