

## PION400 pH/Ion Portable Meter Kit

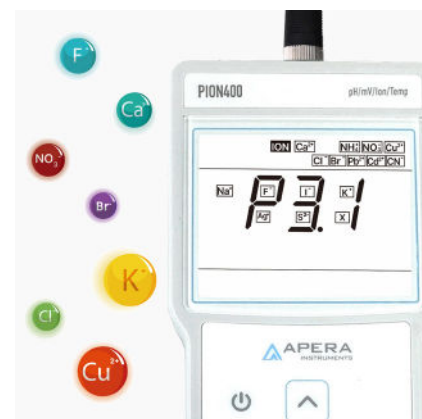


### Main Features

- Comes with **IndSen Ion Selective Electrodes** for both laboratory sample testing and in-line continuous monitoring, delivering high precision, rapid response, and user-friendly operation
- **Automatic Electrode Recognition** instantly identifies up to 14 kinds of ion selective electrode for seamless setup
- **Versatile Measurement Modes** with 15 pre-programmed ion-specific modes, a pH measurement mode, and one customizable user-defined ion mode
- **Accurate Calibration Support**: 3-point manual calibration for ion measurement; 3-point automatic calibration for pH
- **Calibration Memory Function** stores individual calibration data for each ion type, eliminating redundant calibrations when switching electrodes



Stable Icon



15 Pre-programmed Ion-specific Modes

## Technical Parameters

|             |                    |                                                                                                                                                                                                                                                                                                                                  |
|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| pH          | Measuring range    | 0 – 14.00 pH                                                                                                                                                                                                                                                                                                                     |
|             | Resolution         | 0.01 pH                                                                                                                                                                                                                                                                                                                          |
|             | Accuracy           | $\pm 0.01$ pH $\pm 1$ digit                                                                                                                                                                                                                                                                                                      |
|             | Calibration        | 1 – 3 points Auto. Calibration                                                                                                                                                                                                                                                                                                   |
|             | Temp. Compensation | 0 – 100 $\pm$ Auto to Manual                                                                                                                                                                                                                                                                                                     |
| mV          | Measuring range    | -1000 mV to 1000 mV                                                                                                                                                                                                                                                                                                              |
|             | Accuracy           | $\pm 0.2\%$ FS $\pm 1$ digit                                                                                                                                                                                                                                                                                                     |
|             | Resolution         | 1 mV                                                                                                                                                                                                                                                                                                                             |
| Ion         | Range              | pX: 0.00 to 10.00                                                                                                                                                                                                                                                                                                                |
|             | Resolution         | 0.01pX                                                                                                                                                                                                                                                                                                                           |
|             | Accuracy           | $\pm 0.002$ pX (monovalent ions)<br>$\pm 0.005$ pX (divalent ions)                                                                                                                                                                                                                                                               |
|             | Built-in ion Types | Ca <sup>2+</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , Cu <sup>2+</sup> , Cl <sup>-</sup> , Br <sup>-</sup> , Pb <sup>2+</sup> , Cd <sup>2+</sup> , CN <sup>-</sup> , Na <sup>+</sup> , F <sup>-</sup> , I <sup>-</sup> , K <sup>+</sup> , Ag <sup>+</sup> , S <sup>2-</sup> ,<br>X (user-defined ion) |
| Temperature | Measuring range    | 0 – 100 °C (32-122 °F)                                                                                                                                                                                                                                                                                                           |
|             | Resolution         | 0.1 °C                                                                                                                                                                                                                                                                                                                           |
|             | Accuracy           | $\pm 0.5$ °C ( $\pm 0.9$ °F) $\pm 1$ digit                                                                                                                                                                                                                                                                                       |
| Other       | Power supply       | AA Batteries (1.5V*4)                                                                                                                                                                                                                                                                                                            |
|             | Waterproof grade   | IP57 Waterproof and Dustproof                                                                                                                                                                                                                                                                                                    |

## What's in the Kit

|                                     |   |
|-------------------------------------|---|
| PION400 Pocket Meter                | 1 |
| pH4.00 Calibration Buffer Solution  | 1 |
| pH7.00 Calibration Buffer Solution  | 1 |
| pH10.01 Calibration Buffer Solution | 1 |
| 201T-S pH/Temp. Electrode           | 1 |
| Calibration Bottles /50ml           | 3 |
| Quick Start Guide                   | 1 |
| User manual                         | 1 |