

BPHM Slurry pH Meter

BPHM slurry pH meter is an online pH analyzer for slurry measurement based on the actual process needs of ore dressing and metallurgical industry. BPHM adopts imported and customized industrial glass electrode. The uniquely designed pH probe can make the electrode detach from the measured medium for automatic cleaning and maintenance, which has great advantages for the industrial environment of strong corrosiveness, easy wear and tear, high temperature and easy calcium formation. It can extend the maintenance cycle and service life of the electrode.

Instrument Structure

BPHM pH meter consists of a main control box and pH probes.

The pH main control box includes the main controller, touch screen and electrical components, which can realize the function of one main control box with multiple pH probes. One main control box can take 1 to 2 pH probes.

The pH probe includes pH electrode, local instrument box, measurement bracket and other components. PH probe includes electrode automatic maintenance device to achieve maintenance of the electrode. There are two types of probe size, PH600 and PH1200, which can meet the installation occasions with different insertion depth respectively.

Performance

- Industrial glass electrode
- pH measurement display range: 0~14pH
- Measurement accuracy: $\pm 0.2\text{pH}$
- Control function: with pH closure control function
- Analysis cycle: online continuous measurement

- Human-machine interface: 10.4" TFT true color touch screen
- Data storage: provide measurement history data record and query function
- External communication interface: Modbus RTU, 4-20mA signal remote transmission
- Protection level: control box IP54, probe IP55

Operation Conditions

Power supply: AC220V $\pm 10\%$, 50Hz 120W
Water source: pressure 0.3~0.4Mpa, water average 60L/H
Gas source: instrument clean gas source, pressure 0.5 ~ 0.7Mpa, average gas consumption 10NL/Min
Working environment: indoor
Temperature requirement: 10~45°C
Humidity requirement: 5%~90%
Vibration frequency: 10Hz~57Hz

