disconnect.

**ORP high alarm**: when the measured value is bigger than the high alarm pull-on value, the high alarm relay will connect; when the measured value is smaller than high alarm cut-off value, the high alarm relay will disconnect.

**ORP low alarm**: when the measured value is smaller than the low alarm pull-on value, the low alarm relay will connect; when the measured value is bigger than low alarm cut-off value, the low alarm relay will disconnect.

---

**Information inquiry**

Version information: inquire the current version of hardware, with strong traceability.

---

**Chapter VI. Communication**

The instrument provides standard RS485 serial communication interface, adopts international common standard MODBUS-RTU communication protocol and supports No.3 reading so as to keep the
holding register order.

**Address of register**

The communication data and register address as the following table:

<table>
<thead>
<tr>
<th>Address</th>
<th>Data type</th>
<th>Function code</th>
<th>Explanation</th>
<th>Access right</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x0000</td>
<td>unsigned short</td>
<td>0x03</td>
<td>PH value (default in two decimals)</td>
<td>Read only</td>
</tr>
<tr>
<td>0x0001</td>
<td>unsigned short</td>
<td>0x03</td>
<td>Temperature value (default in one decimal)</td>
<td>Read only</td>
</tr>
<tr>
<td>0x0002</td>
<td>short</td>
<td>0x03</td>
<td>ORP value (signed integer)</td>
<td>Read only</td>
</tr>
</tbody>
</table>

**Communication case**

Sent by computer: 00 03 00 00 00 01 85 DB

Returned from PH/ORP table: 00 03 02 02 AE 05 58

Annotation of the return command: 00 is 485 address;

03 is function code;

02 is the data length of return PH value: 2 bytes;

02 is the 686 of the return PH value (hexadecimal high bytes);

AE is the 686 of the return PH value (hexadecimal low bytes);

05 58 is the checked value of CRC;

**Chapter VII Product maintenance**