 [Translated from Chinese (Simplified) to English - www.onlinedoctranslator.com](https://www.onlinedoctranslator.com/en/?utm_source=onlinedoctranslator&utm_medium=docx&utm_campaign=attribution)

|  |  |
| --- | --- |
| Shell material (Materials): | 304 Stainless Steel (3) |
| Wrapper: | Epoxy Resin for Sensors (2) |
| Lead: (Down-lead): | 26AWG. Three-core black sheathed wire L=1000mm (1) |
| Digital temperature sensor chip: | New original digital temperature measurement chip T0-92: DS18B20+ (4) |
| Sensor output line: | Red wire: VDD+ Yellow wire: DTAT Black wire: GND |
| Electrical characteristic parameters (Electricity Characteristic parameter): |
| Working voltage (V) | DC/3~5.5V |
| Temperature measurement range (℃) | -55℃~+125℃ |
| Temperature measurement accuracy (℃) | +0.06℃ |
| Output signal form (DQ) | digital code output |
| Sensor insulation performance (500V DC test) | single insulation resistance≥100MΩ |
| Withstand voltage performance (1500V AC, 5s, 0.5mA) | No breakdown |
| Waterproof performance | IP68 |