

ONLINE REFRACTOMETERS

CUSTOMIZABLE

IP67
WATERPROOF

- Based on the principle of light refraction and total reflection, measure the concentration of liquid in real time
- Plug-in mounting is suitable for open objects such as tanks, troughs, and vessel walls
- Directly immersed in liquid, fast detection, no need to remove liquid
- Rods and probes are made of 316 stainless steel, sizes can be customized
- Automatic temperature compensation
- Probe protection level: IP67



communication line (included)



5-pole communication cable interface

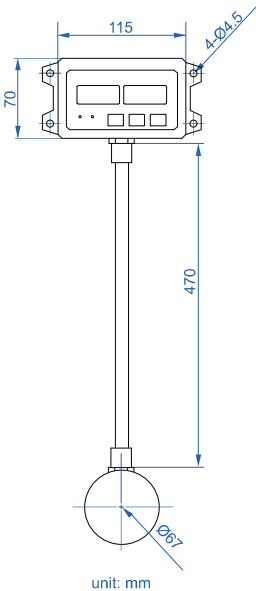


detection window (sapphire prism)

5816-ZX90

SPECIFICATION

| Code | | 5816-ZX30 | 5816-ZX50 | 5816-ZX90 |
|---------------------|--------------|------------------------------------|-----------------|-----------------|
| Measuring range | Brix | 0.0~30.0% | 0.0~50.0% | 0.0~90.0% |
| | refractivity | 1.3200~1.3810nD | 1.3270~1.4200nD | 1.3270~1.5177nD |
| | temperature | 0.0~80.0°C | | |
| Accuracy | Brix | 0.1% | | |
| | refractivity | 0.0001nD | | |
| | temperature | 0.1°C | | |
| Resolution | Brix | ±0.2% | | |
| | refractivity | ±0.0003nD | | |
| | temperature | ±0.5°C | | |
| Measuring speed | | 1time/5s, adjustable | | |
| Working environment | | 0.0~60.0°C | | |
| Pressure resistance | | ≤0.6MPa | | |
| Output* | | analog output: (4~20)mA for Brix | | |
| | | digital output: RS485 | | |
| Power supply | | DC 24V±10%, working current <100mA | | |
| Dimension (L×W×H) | | 620×140×55mm | | |
| Weight | | 1.77kg | | |



unit: mm

* Customizable output mode

STANDARD DELIVERY

| | |
|--------------------|------|
| Main unit | 1 pc |
| Communication line | 1 pc |