

Photoelectric Direct Reading Cold Water Meter

**Wired Communication | Photoelectric Direct Reading
Remote Meter Reading**



The photoelectric direct reading meter uses photoelectric sensing direct reading and data communication technology. It integrates mechanical metering, data collection and intelligent management. Widely used in universities, enterprises, communities, apartments and public housing to digitalize water management.

Functional Features



Photoelectric Direct Reading

Direct reading of mechanical character wheels, no cumulative error, high reliability



Open Compatibility

CJ/T 188 protocol & API docking, supporting access to third-party systems



Zero Power Consumption

Passive operation; power only consumed during meter reading, no built-in battery required



Remote Monitoring

Automatic status reporting for convenient O&M

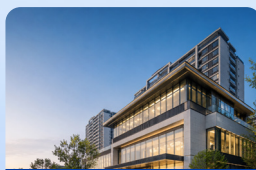
Application Scenarios



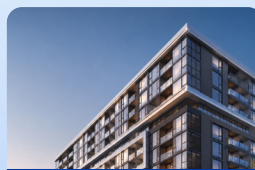
Universities



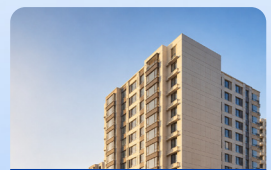
Enterprises



Residential Communities



Apartments

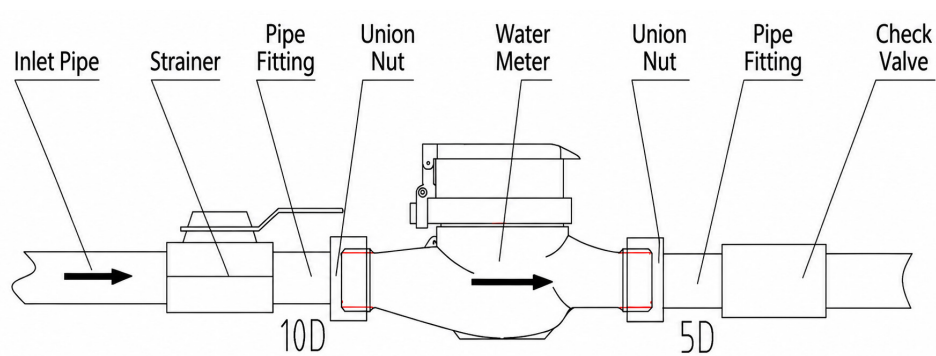


Public Rental Housing

Specifications & Dimensions

Item	Parameter Index
Accuracy Class	Class 2
Environmental Grade	B-class
Working Pressure	≤1MPa
Pressure Loss	≤0.063MPa
Turndown Ratio	100
Flow Sensitivity	U10 D5
Temperature Grade	Cold water T30
Communication	M-Bus
Power Supply	DC 24V~36V
Ambient Requirements	Operating temp: 5°C~55°CHumidity ≤93% (40°C)
Executive Standards	GB/T 778.1~5-2018 Cold/Hot Water MetersCJ/T 162-2019 Direct Reading Remote Water Meter Specification
Nominal Caliber	DN15/DN20/DN25

Dimensions



Overall Dimensions DN15~DN25

Model	Spec	Meter Body Length (mm)	Width (mm)	Height (mm)	Total Length (mm)	Nut Thread
LXSY	DN15	165	98	122	255	G3/4
LXSY	DN20	195	98	122	295	G1
LXSY	DN25	225	98	135	345	G1 1/4