

Developing A New Market Vision

As Taiwan's flowmeter technology is still developing, mechanical flowmeters with low accuracy are more commonly used in the market. Many companies either import low-cost OEM products with no certification from mainland China, or from Europe or America which are expensive with long delivery time. To provide domestic and foreign customers with flowmeters that are accurate and reasonably priced. Since 2013, FineTek has devoted all efforts in developing a flowmeter production line, allowing customers to enjoy customized and safe flowmeters. The company invested millions to build a water flow testing laboratory, obtained the TAF laboratory certification 3086/3853, and was internationally certified by the international legal metrology organization OIML R49. It is the only national standard flowmeter calibration laboratory in Taiwan.

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FineTek currently has four complete flowmeter production lines: electromagnetic flowmeter, paddle wheel flow meter, ultrasonic flowmeter, and smart water meter. The company's product design fully integrates the concept of ESG sustainability, providing users with accurate measurement while reducing water consumption, therefore reducing pollution and waste, and protecting the environment. In recent years, FineTek has participated in numerous smart underground waterflow pipeline network management projects in the North District and the city. More products such as pressure gauges and water quality monitoring equipment were used together with green battery and solar energy devices that are environmentally friendly, integrating IoT Internet of Things smart solutions to meet customers' wireless cloud applications.

Through strong innovation in energy technology, FineTek provides diverse services. When serving customers, the company adheres to the concept of sustainability while giving back to the community.



Taiwan - Taipei Head Office

Germany - Germany Subsidiary Company

Indonesia - Jakarta Subsidiary Company

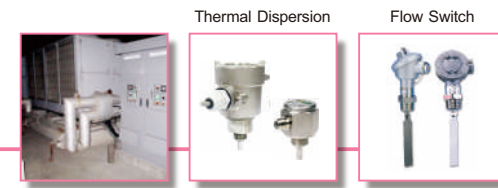
China - Shanghai Subsidiary Company

Taiwan - Yilan Factory

Civil Product Application

Ice Water Tank

Monitor liquid flow in the tube.



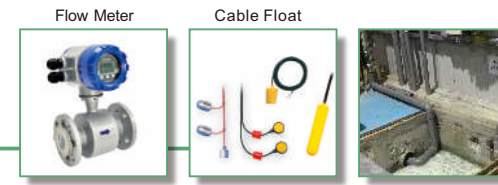
Reservoir

Monitor High/Low Levels.



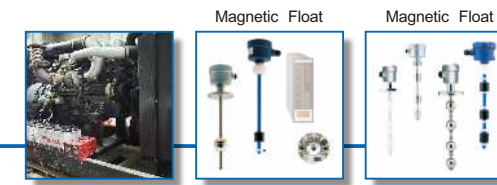
Wastewater Treatment

Monitor wastewater discharge.



Generators

Monitor oil levels.



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EPH Smart Multi-Jet Water Meter







Asia's No.1 Brand Manufacturer of Automation Sensors

FineTek is the only company in Taiwan with complete master technology. It is now the solution for measurement for sewage and waste in industrial areas, the application of community pipe networks, and smart meters for households. It is the first choice for flowmeter applications in industries.



Smart Water – The New Indicator for Modern Management

In 2020, FineTek's founder observed market trends and invested in a CNMW-equipped water meter test field and developed smart water meters. He aimed to break the market chaos and advance the product quality of smart C-level water meters in the market. The product has a wide range of uses with numerous patented technologies. Its excellent functions can be applied to institutions such as licensed services, shopping mall management, rental housing management, public water management, school dormitories, smart & green buildings, medical units, etc. From the data of daily water consumption, it can be known whether the elderly is safe at home, or if the unit is using water excessively. During seasons of heavy rain or drought, these products will be highly valuable water management tools, becoming a new indicator of modern smart water management.

I509225 · M590683 · I730810 · D213214 · M617957  Taiwan
 10 2015 101 439  Germany
 Jp5934818  Japan
 CN2833694 · CN10520667  Mainland China



A Leader in Water Management



The EPH smart multi-jet water meter is certified by CNS, with C-level accuracy, an error rate of +/-2%, is highly sensitive, detects small flow rates to avoid measurement errors (sensing metering device, no gear wear problem), and has improved measurement accuracy. It does not have magnets inside; therefore, the metering value isn't affected by external magnetic influences (traditional mechanical water meters are susceptible to magnetic interference, resulting in measurement errors). The meter is waterproof, greatly reducing the failure rate. It is in line with the national meter standards. The product also has wired RS-485 or wireless NBIOT communication functions which collect signals centrally and transmitted out separately to any telecommunications company. The service life of the high-resolution LCD module and high-performance lithium batteries is more than 8 years. It has large-scale data management functions, electronic encryption functions, catering to the developing trend of automatic meter reading (AMR) and meeting the need of obtaining economic benefits of water resource management. It has become a new indicator of smart water management.

◆ Product Features

IP68 grade dustproof, built-in data storage function.

◆ Product Details

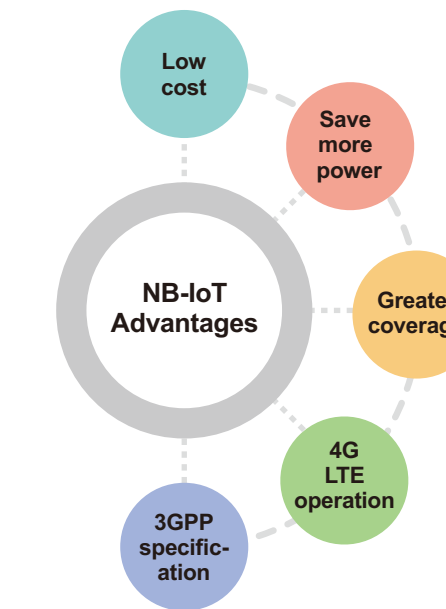
Connect the meter, convert the communication to RS-485, then transmit it to the back-end monitoring system.

◆ Scope of Application

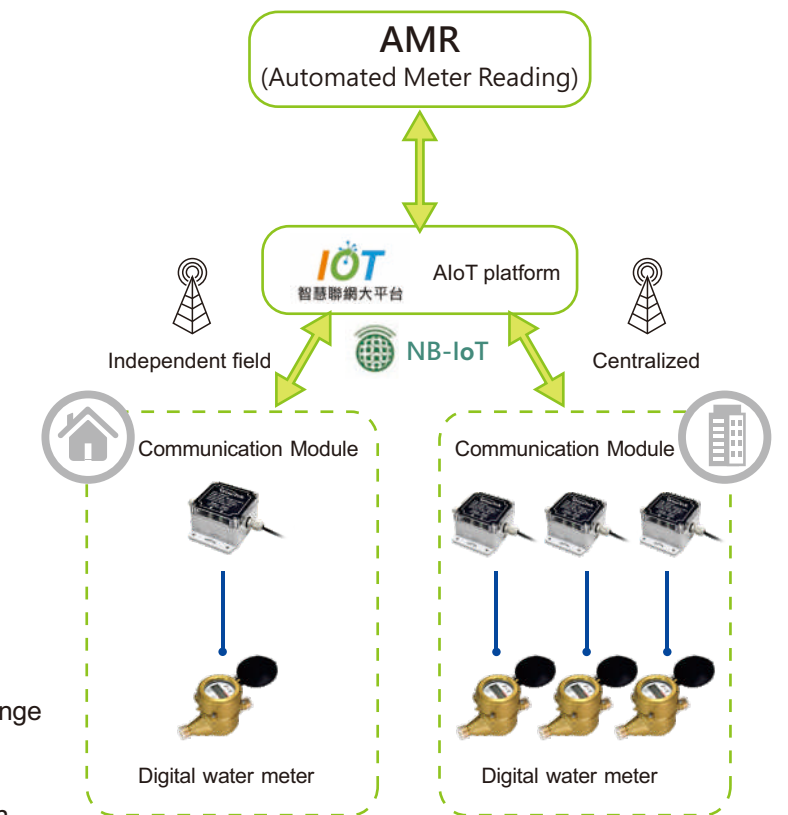
The LCD electronic display can intuitively judge the cumulative flow rate, has multiple smart management alarm functions, and can be connected to an external transmitter which can easily obtain water analysis data, alarm warnings, water leakage warnings, electrical information, etc.

◆ Application

Energy saving campus dormitory management, collective housing, rental housing, calculation of booth fees, measuring sub-meters.



- Low cost: NB-IoT module costs less
- Saves power: Up to 8 years battery life.
- Greater coverage: +20dB, wide connection range
- 4G LTE, faster equipment development.
- 3GPP specification: highly reliable information security.



- ▶ Smart meters with Cat.M1/NB-IoT dual-mode communication technology that can adapt to different communication environments.
- ▶ Integrated in the smart meter reading system (AMR) to provide smart meter reading and communication according to the needs of the company.
- ▶ NB-IoT has low power consumption, high coverage, high penetration, and can reduce deployment costs.