DELIVERING ESSENTIAL VALUE THROUGH TECHNOLOGY INNOVATION

The evolution of technology associated with managing water networks and measuring consumption is entering a new era. The era of iPERL.

Throughout history, the way that societies collect, distribute and gain access to potable water has inspired a culture of invention and innovation...and this continues today with iPERL, a breakthrough technology that defines a smarter future.

Simplicity, Productivity and Environmental Sustainability are the three axis of innovation embodied in iPERL. No measurement technology has ever offered such intelligent end-point data functionality. No measurement technology has ever provided the ability to create so much value through water network management and consumption accuracy.

iPERL - the new data end-point standard fully enabled for a new era.

SIMPLE

iPERL is founded on complete and simple life-cycle principles. From the selection of the network fitting sizes for the end-point, through to delivery and usage experience and on to disposal, the technology has been designed with simplicity, productivity and sustainability in mind.

ACCURATE

iPERL accuracy offers real value throughout its wide measuring range independent of water quality, network pressure or piping section modifications. No other current technology can match iPERL.

LONG LASTING

iPERL delivers its core values throughout its complete life-cycle. Its innovative measuring technology assures iPERL's enduring accuracy in the field, delivering a continuous data stream.

A PRODUCTIVITY engine for the water NETWORK

PRODUCTIVITY

iPERL comes with an inbuilt R800 ratio for all models in the proposed family range, from Q3 2.5 to 16 m^3/h. Such a value proposition means there is no trade-off between performance and network conditions.

Due to its technology, iPERL's R800 ratio meets utilities' expectations throughout iPERL's life-time.

RELIABILITY

Extreme testing conditions, an innovative mechanical design, extensive Sensus experience and the blending of state-of-the-art technologies ensure that iPERL complies with T50 requirements, creating a unique, robust and long-lasting water data end-point.

FUTURE PROOF

Protecting an investment means looking into the future. iPERL from Sensus embraces scalability and delivers operational value across the entire family range, taking future communication architecture into account.

LOW RISK

Investing in iPERL is investing in the future. Its inbuilt performance brings considerable economic value with fast ROIs and the flexibility to optimize future opportunities.

iPERL's inbuilt data logging allows utilities to pro-actively monitor and adapt to changing consumption habits, triggering potential, additional consumer services.

DATA DRIVEN

iPERL carries two communication broadcasting languages.

On one hand a cost effective performing Sensus system based on FlexNet language and introducing a very effective and innovative 1½ way communication for a 868MHz ISM band @ 25mW AND on the other hand an OMS standard broadcast platform (OMS - Open Metering System in T1 mode and same band). This solution allows iPERL to be read by any OMS compatible device specified by the market for full utility freedom and European smart metering programme compliance.

All other different radio choices already implemented can be shaped into dynamic gateways allowing a transparent management of old meters and new end-points.

ENVIRONMENTAL

iPERL is focused on achieving the lowest possible environmental impact. Such impact is measured through a complete life-cycle analysis covering climate change, ecosystem quality, human health and natural resources.

iPERL was developed with disposal in mind and is manufactured using fully recyclable materials.

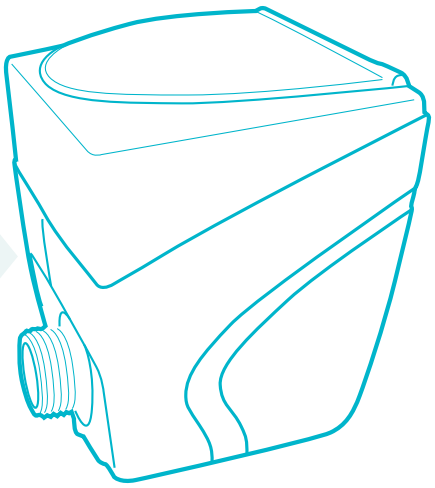
iPERL is designed to meet the demands of even the most severe field utilisations. These include the fast open and close tap movements that create fast flow transients difficult to capture and account for...and typical in residential and commercial applications.

iPERL is fully protected against all water network hazards. It is built to accommodate interior and exterior installations. It is IP68 rated and fully protected against water vapour transmissions that would occur with the presence of any air.

And because installation points are not always ideal, iPERL can be installed in any position that best meets the needs of the utility.

SIMPLE
ACCURATE
RELIABLE
LONG LASTING
DATA DRIVEN

That's **iPERL** by **Sensus**



iPERL™

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