kritsnam

The all new

dhaara smart

Ultrasonic   Water   Flowmeter

dhaara smart 2.0

About Dhaara Smart

Dhaara Smart is a new-age water flow meter that combines the power of IoT with the latest sensor technologies. Its integrated telemetry and battery powered capabilities make it easy to manage water consumption from anywhere and any time. Dhaara Smart is ISO 4064 certified and complies with the guidelines of the Central Ground Water Authority(CGWA).

Use Cases

Groundwater metering

Water auditing for businesses

Smart water utilities

Precision irrigation

Key Features and Benefits

Smart register
No more manual errors

Battery operated
No more wires

IP68
Works in all seasons

Inbuilt dual SIM
Reliable data

CGWA compliant
As per ISO 4064

Cost optimization
Save money

Alerts
Usage alerts & trends

Reports
Download & analyse

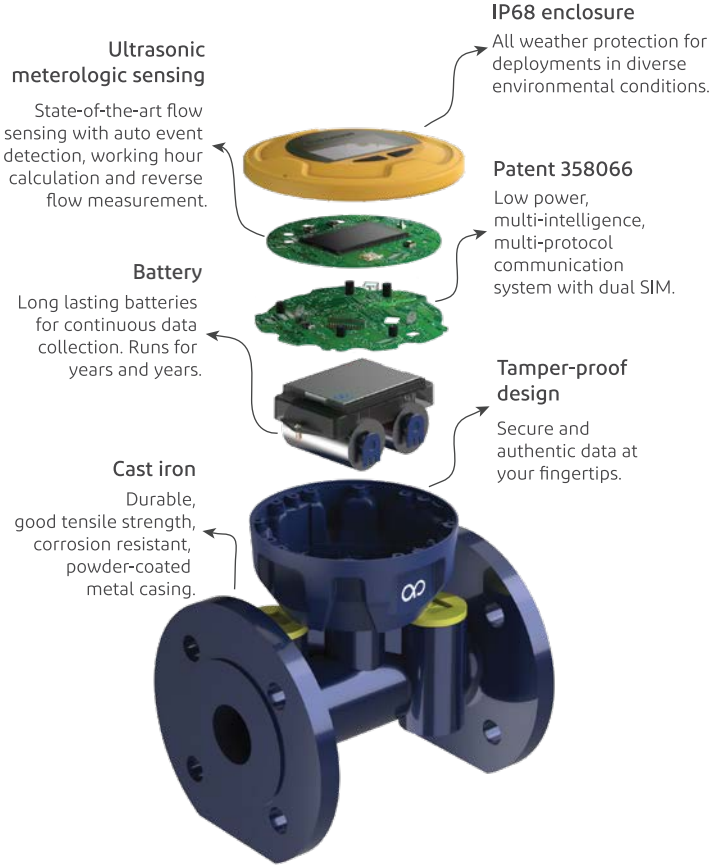| Airport	Automobile	Cement
adani	JCB	UltraTech CEMENT
Gujarat	Delhi	Rajasthan

Why Dhaara Smart?

Dhaara Smart comes with built-in telemetry, and long-lasting batteries that keep the device running for more than three years. The IP68 enclosure protects the electronics from water and dust, enabling it to work in all weather conditions. The device has patented technology crafted in India for a sustainable future.

Ultrasonic meterologic sensing

State-of-the-art flow sensing with auto event detection, working hour calculation and reverse flow measurement.

IP68 enclosure

All weather protection for deployments in diverse environmental conditions.

Patent 358066

Low power, multi-intelligence, multi-protocol communication system with dual SIM.

Battery

Long lasting batteries for continuous data collection. Runs for years and years.

Tamper-proof design

Secure and authentic data at your fingertips.

Cast iron

Durable, good tensile strength, corrosion resistant, powder-coated metal casing.

Exploded view of Dhaara Smart ultrasonic water flow meter
Product: DN50

Our Key Water Custodians

Electronics	Hotels	Institute
HAVELLS	**MARRIOTT**	**BITS** Pilani
Uttarakhand	Maharashtra	Hyderabad

Detailed Technical Specifications

Product ID	DN25	DN40	DN50	DN65	DN80	DN100	DN150	DN200
Suitable pipe size (mm)	25	40	50	65	80	100	150	200
Min flow rate (m³/hr)(Q1)	0.1517	0.4	0.625	1	1.575	2.50	6.25	10
Max flow rate (m³/hr)(Q3)	6.3	16	25	40	63	100	250	400
Turndown ratio (R)	40							
Metering technology	Ultrasonic transit time							
Power source	2D size Li batteries							
Battery life	3-5 years as per the network availability (with 3 transmissions per day)							
Communication	Inbuilt dual SIM(4G/GPRS)							
Display parameters	LCD display with flow direction, forward and reverse flow rate, cumulative forward flow, device name							
Certification	ISO 4064: 2014							
Accuracy	As per ISO 4064, Class 2							
Protection	IP68							
Materials	Cast iron/Brass casing & ABS enclosure							
Data transmission	Every 8hrs by default							
Data storage	Secure cloud							
Data access	Private access on desktop and mobile							

Dhaara Smart vs Others

Dhaara Smart

(All inclusive)

Only meter cost

Others

SMPS + Rs 2,300/-
UPS + Rs 3,600/-
4G Telemetry + Rs 6,500/-
Cable & sockets + Rs 1,700/-
Enclosure(non IP68) + Rs 3,600/-
Electrician + Rs 2,500/-

Rs 20,200/-
+
Meter cost

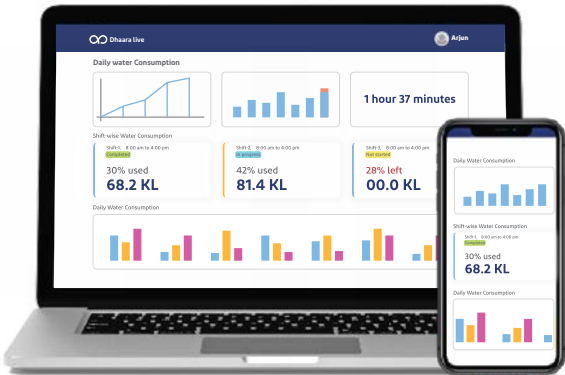| IT park	Petroleum	Steel
tcs TATA CONSULTANCY SERVICES	Castrol	JSW
Uttar Pradesh	West Bengal	Maharashtra

Dhaara Live

Dhaara Live is a mobile and web application with alert system that allows to view, track and analyse water usage. Users can visualise data and make informed operational decisions that can elevate them from water users to 'water custodians'.

Be vigilant of your
daily, monthly and yearly
water consumption

Advantages of Dhaara Live

Dhaara Live equips users with potent water datasets, enabling them to efficiently manage water usage, perform risk assessments and thereby prepare for long-term strategies. Unlock a new era of water management possibilities with Dhaara Live, where data shapes decisions and secures the future.

Reports
Download & analyse

Alerts
Usage alerts & trends

Remote tracking
Analyse water trends

About Kritsnam

Kritsnam Technologies Pvt. Ltd. is a pioneering company, evolved from IIT Kanpur, focused on advanced water resource management solutions. Our mission is to bring inspiration, innovation and insights to every water custodian in the pursuit of sustainability through Dhaara Smart and Dhaara Live. We are the go-to water sustainability company in India, providing smart solutions for water management problems and critical infrastructure needs. Our innovative water management system enables public utilities, industries and bulk residential users to measure, respond and report their water usage accurately.

CGWA Compliant

Remote Tracking

ISO 4064

Timely Alerts

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