

FLOW METERS • ULTRASONIC

External-Type Ultrasonic Water Flow Meter

II-FM-004

Ultrasonic, external sensors



An ultrasonic meter that reads flow through the pipe wall — nothing enters the line, so it can be fitted without cutting it.

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ISSUED

24 October 2026

External-Type Ultrasonic Water Flow Meter

Indiana catalogue ID **II-FM-004** Flow Meters

An ultrasonic meter that reads flow through the pipe wall — nothing enters the line, so it can be fitted without cutting it.

PRINCIPLE	SENSORS	INTERFACE
Ultrasonic	External, on the pipe	RS485

01 Overview

External ultrasonic meters send sound pulses between two sensors strapped to the outside of a pipe and work out flow from the way the liquid changes the journey time. Because the pipe is never opened, the meter can be added to a working line, moved between measuring points, or used to verify an existing meter.

This family is listed with a digital LCD display, an RS485 sensor interface and a data logger, and the listing names hot water and fuel oil among the liquids. The photographs show the transmitter with its pair of sensors on a pipe spool and a typical on-pipe arrangement.

WHAT IDENTIFIES IT

- Sensors mount on the pipe exterior — no cutting or shutdown to fit
- Digital LCD display
- RS485 interface and data logger named in the listing
- Listed for hot water and fuel oil, and as OEM-customisable

02 Views



PRIMARY VIEW External-Type Ultrasonic Water Flow Meter — overall view
Product photograph



ALTERNATE VIEW External-Type Ultrasonic Water Flow Meter — view 2
Product photograph



ALTERNATE VIEW External-Type Ultrasonic Water Flow Meter — view 3
Product photograph

03 Principal data

AS STATED IN THE MANUFACTURER LISTING

Principle	Ultrasonic flow measurement
Sensor mounting	External ("external type" in the listing); the listing photographs show sensors clamped on a pipe
Display	Digital LCD
Interface	RS485 sensor interface
Logging	Data logger
Media named	Hot water, fuel oil

Customisation

OEM-customisable

The full set of stated values, variants and open points is in the specification document for this product.

04 Applications and industries

APPLICATIONS

- Hot-water pipelines
- Fuel-oil lines
- Verification of an installed meter
- Temporary or portable flow checks

INDUSTRIES

Water and wastewater

HVAC and building services

Petroleum

TO QUOTE THIS WE NEED

- Medium and its temperature
- Line size (DN) and pipe material
- Flow range
- Output and power supply required
- Quantity

CONFIRM BEFORE ORDERING

- Photographs, figures and wording come from the manufacturer's product listing for this family and may describe a sibling configuration; the datasheet for the ordered model is confirmed with the quotation.
- The documented IIT-200F ultrasonic flow meter covers a defined size range in clamp-on, insertion and inline forms; confirm which of the two suits your pipe before ordering.

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QUOTATION

List the product, ID and quantity; add process conditions. We reply with a quotation.

Manufacturer product listing (saved October 2026). Figures are reproduced as listed; spec-card values and title values are shown separately where they differ. Figures are reproduced from the source documentation; where a source states two different values both are shown. Nothing on this sheet is a certification, and no hazardous-area approval is implied unless a certificate is supplied with the quotation. INDIANA SALES (INDIANA INSTRUTECH) · info@indianainstrutech.com · issued 24 October 2026.