

# Parasonic 153 UIF

## Ultrasonic Flow Meter Inline Type

### INTRODUCTION

The Ultrasonic Inline Flow Meter is an accurate and reliable solution for measuring the flow rate of Water in pipelines. Using advanced ultrasonic technology, the flow meter delivers accurate, real-time flow measurements without disrupting the flow of liquids. Available in both powered and battery-operated versions, it offers versatility for various operational needs, with the battery version being ideal for remote or hard-to-reach locations. The flow meter operates on the transit-time differential principle, where ultrasonic signals are transmitted and received by transducers to calculate flow velocity. By measuring the difference in transit times between upstream and downstream signals, it accurately determines the flow rate. This technology ensures efficient and consistent fluid management, making the Ultrasonic Inline Flow Meter a valuable tool for industries such as water treatment and Drinking Water Supply.



### FEATURES

- Telemetry / IoT Communication Enabled
- Long Battery Life upto 5 year life, Replaceable battery
- Suitable for Remote area
- Temperature Measurement (BTU Energy Meter) Option available

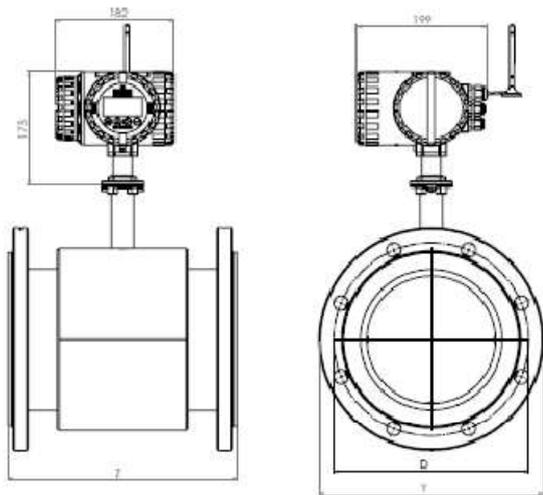
### AREAS OF APPLICATIONS

- Drinking Water Approval
- Water Treatment Plant (WTP)
- OHT
- Agriculture/ Irrigation
- Overhead Tanks
- HVAC(BTU Energy Meter)

### SPECIFICATIONS

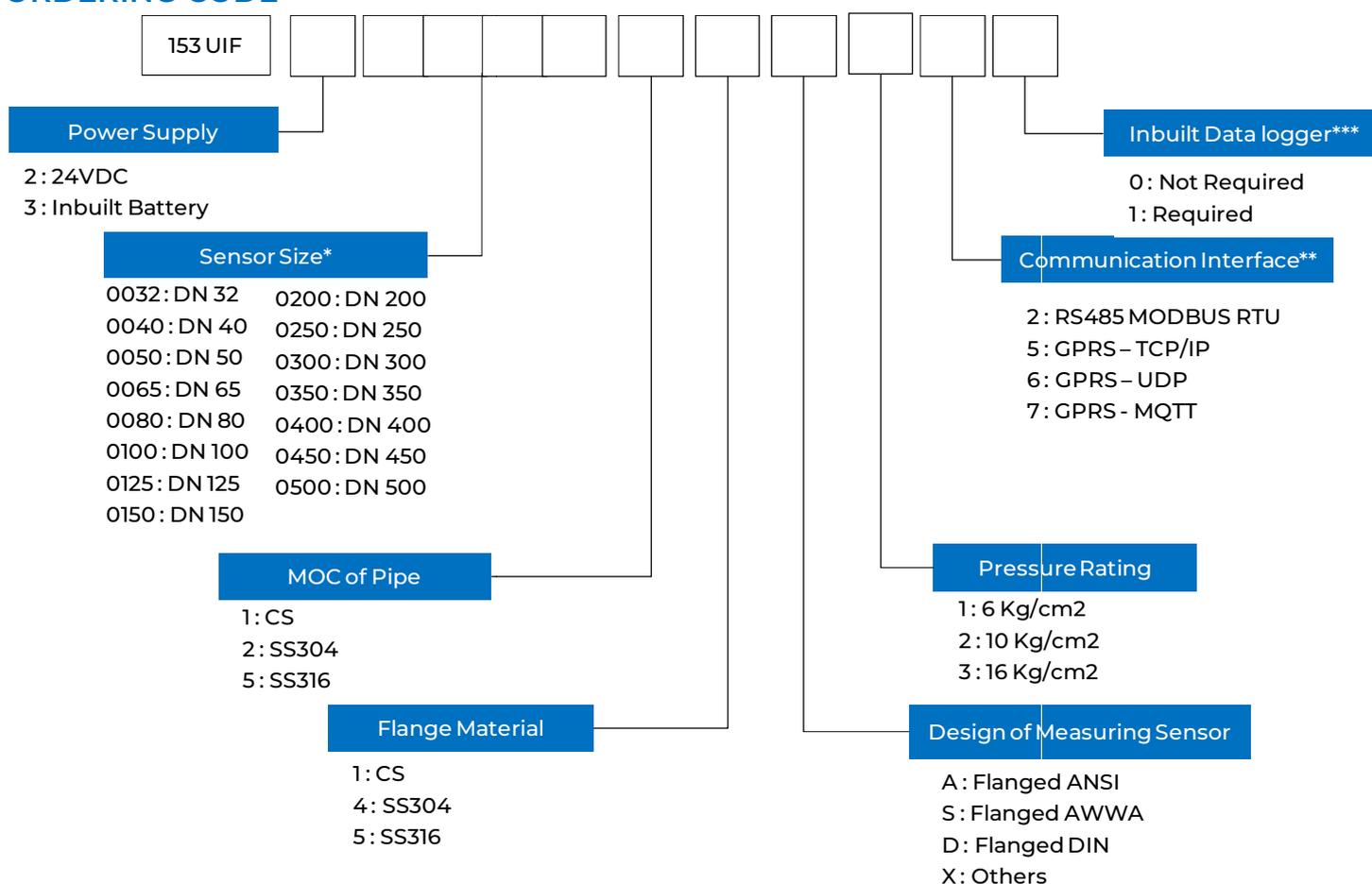
Parameter Name	Parameter Description
Line Size	DN 32 to DN 500* (Higher Sizes available on request)
Accuracy	Instantaneous Flow rate : $\pm 1\%$ of Reading Volume : As Per ISO 4064 (Class 2) Compliance
Power Supply	24VDC or 3.6 V lithium Inbuilt battery (Replaceable)
Battery Life	5 Years(Under Factory condition) 1 Data Transmission Per Day
Communication Output	GSM/GPRS 4G with 2G fall back communication or RS485 Modbus RTU
Configuration Interface	Parameter Configuration Through mobile APP Senlink via Bluetooth
Display	8 digit Totalized Flow display, 5 digit instantaneous Flow display
Data logging	Available (on request)
Data backup	7 Day's Payload backup data
Measuring pipe	Carbon steel / stainless steel
Process Connections	EN Standard PN6 / PN10 / PN16 Flange / AWWA / ANSI
Ambient Conditions	0 to 60°C
Humidity	$\leq 80\%RH$
Ingress Protection	IP67 (Standard) / IP68 (Optional)

## MECHANICAL DIMENSIONS



Nominal Size(mm)	Z	Y	D
DN50	200	165	125
DN65	200	185	145
DN80	225	200	160
DN100	250	220	180
DN125	275	250	210
DN150	300	285	240
DN200	350	340	295
DN250	450	405	355
DN300	500	460	410
DN350	550	520	470
DN400	600	580	525
DN450	700	640	585
DN500	800	715	650

## ORDERING CODE



### NOTES:

\*Higher sizes available on request (Contact HO).

\*\* For the Battery-operated version, both communication options (GPRS / RS485 Modbus RTU) are available.

\*\*\*Data logger Facility is only available with GPRS Communication on request (Contact HO).

#Continuous development may necessitate changes without notice.

### SBEM Pvt. Ltd.

Head Office & Works - Gat No.326, Shriram Nagar, Gaud

Dara Road, Khedshivapur,

Pune-412205

Email: [sales@sbem.co.in](mailto:sales@sbem.co.in)

Website: [www.sbem-india.com](http://www.sbem-india.com)

### Pune

[pune@sbem.co.in](mailto:pune@sbem.co.in)

### Mumbai

[mumbai@sbem.co.in](mailto:mumbai@sbem.co.in)

### New Delhi

[newdelhi@sbem.co.in](mailto:newdelhi@sbem.co.in)

### Chennai

[chennai@sbem.co.in](mailto:chennai@sbem.co.in)

