Flow Meter Sensor
Quick Start Guide

INCYT

Product Overview
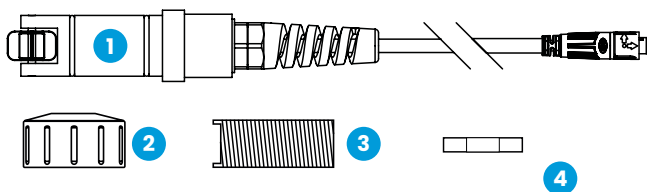
1 Flow Meter Sensor	**3** 1" BSP Thread Adapter
2 Holding Cap	**4** Locking Nut

Start Here

1 Open the INCYT App and register the sensor. When instructed, scan the QR code on the box.

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2 Add the appropriate Application within the INCYT App, and link the sensor.
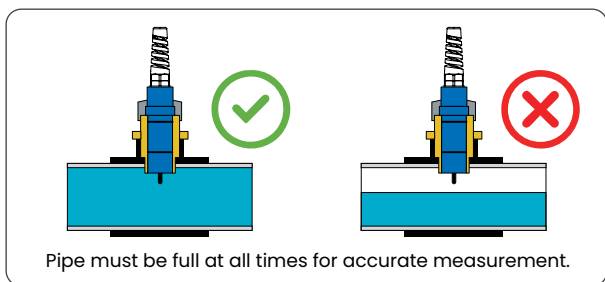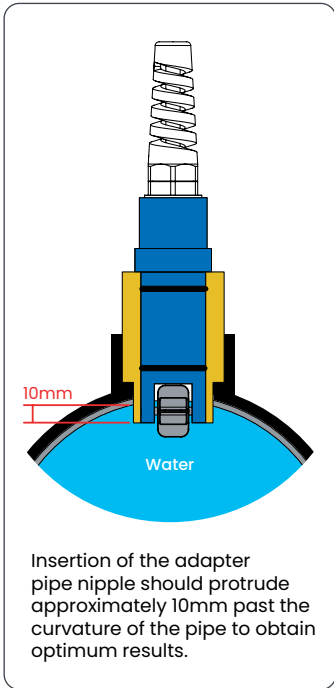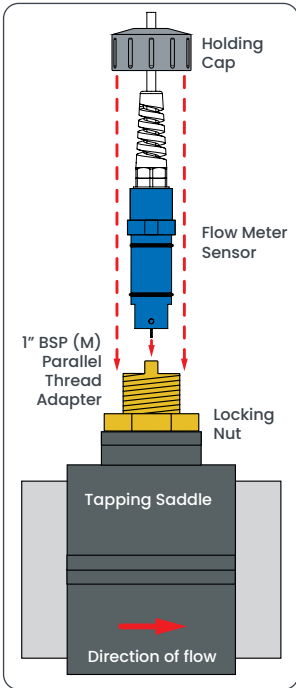
Preparation

3 Unpack the contents of the box and check the component list above to ensure the kit is complete.

4 For installation, a tapping saddle with a 1" BSP threaded inlet will be needed to fit the pipe being monitored. These are available for purchase from Manuflo.
Visit: *www.manuelectronics.com.au*

5 This Flow Meter Sensor requires a Blue Node to function, available for purchase from **incyt.com.au**. Follow the instructions provided with the Blue Node to complete setup and activation.

Installation and Mounting

6 Identify the typical flow rate of your installation, and use the 'Pipe diameter vs flow rate' chart in this guide to identify a suitable pipe diameter for the installation of the sensor.

7 Turn off all pumps and remove the liquid from the pipe that is to be monitored.

8 Drill a 32mm hole in the pipe in the desired installation location, and attach the tapping saddle. Ensure the hole in the tapping saddle and pipe are aligned.

9 Screw the 1" BSP Thread Adapter into the tapping saddle until it protrudes approximately 10mm into the pipe. Tighten the Locking Nut to secure.

10 Insert the Flow Meter Sensor into the 1" BSP Thread Adapter, ensuring that the keys are aligned at the top and the paddle is facing the direction of flow. Tighten the Holding Cap by hand to secure.

11 Install the Blue Node according to its 'Quick Start Guide', and follow the instructions to plug the connector on the Flow Meter Sensor into the Blue Node. Turn on pumps and check that data is reporting.

Pipe must be full at all times for accurate measurement.

Holding Cap

Flow Meter Sensor

1" BSP (M) Parallel Thread Adapter

Locking Nut

Tapping Saddle

Direction of flow

10mm

Water

Insertion of the adapter pipe nipple should protrude approximately 10mm past the curvature of the pipe to obtain optimum results.

IMPORTANT! ⚠️

FLOW →

X 10 Pipe diameter

X 5 Pipe diameter

A minimum of 10x pipe diameter before (upstream of) the sensor and at least 5x pipe diameter after sensor of straight pipe section must be fitted with no bends, reductions, enlargements, restrictions or valves to ensure accurate measurement.

Protect cables from animals by purchasing sheathing from your local hardware store

Pipe diameter vs flow rate

Internal Diameter (mm)	Flow rate range (L/min)	
	Min.	Max.
20	13	160
25	20	250
32	30	410
40	50	640
50	90	1000
63	132	1580
65	120	1690
75	180	2250
80	190	2560
90	244	3240
100	300	4005
110	343	4845
125	426	6255
140	516	7850
150	600	9010
160	650	10200
195	900	15200
200	950	16000
250	1480	25000
280	1850	31400
315	2280	39720

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For help visit INCYT
incyt.com.au