



Ref: FAQ0399

Version: 1.0

Title – Intelligens OCH Flow set up

Made By: AB 11/04/17

(Issue 1)

## How to configure an Intelligens logger for measuring open channel flow using IDT software

The Logger configuration -

Logging Channels

	Type	Mode	Offset	Scale	
Ch1	Analog Ex	Spot	0	1	
Ch2	Serial1	Spot		0.01	
Ch3	Serial2	Spot		0.01	
Ch4	Serial3	Spot		0.01	
Ch5	FlowOCH	Spot		0.01	
	-----				

Set Channel 1: Depth

Set Channel 2: Velocity

Configure Serial Channel: Serial1

Protocol: SDI12

Slave Address: 0

Logged Register Address: Reading 1 M

Off M

Friendly Name: Velocity

OK Cancel



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Set Channel 3: Temp

Set Channel 4: Quality



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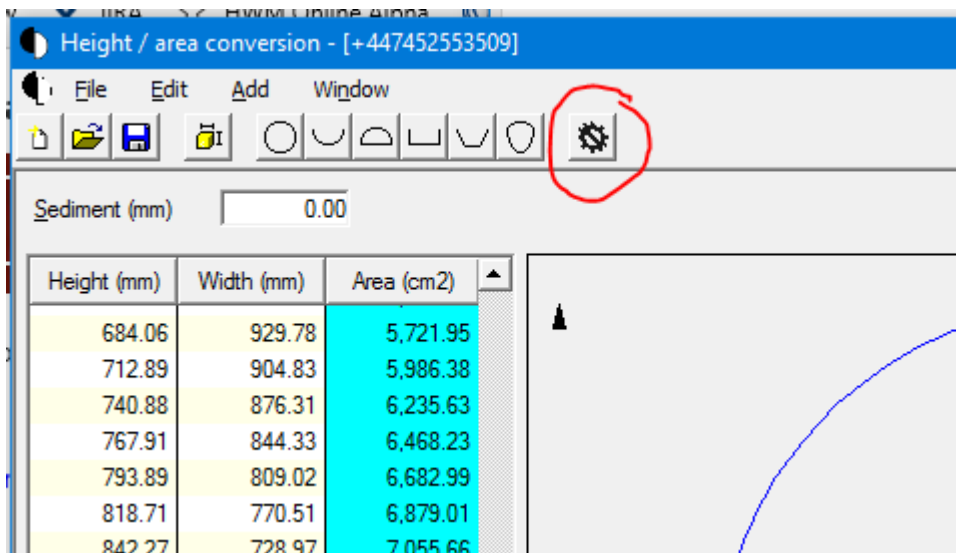
OCHFlow setup:

Open Channel Flow Set-up

Depth/Area  Depth  Velocity

HASU:

Set the table up and select the button to load –



Set Channel 5 : Flow

Datagate Admin Configuration

Channels Accounts Alarm Settings Messages Text History Track Received Alarms Commands Photos Config

Channel Details for Logger

No	Name	Channel Type	Units	Meter Read Value	Meter Read Date	Meter Factor	Cal Factor	Cal Offset	Edit	Remove
1		Depth	mm		11-Oct-2016		1	0	Edit	Remove
2		Velocity	m	21000	11-Oct-2016		0.01	0	Edit	Remove
3		Temperature	°C	47000	13-Oct-2016 10:00		0.01	0	Edit	Remove
4		Quality	%		13-Oct-2016 10:00		0.01	0	Edit	Remove
5		Flow	l		13-Oct-2016 10:00		0.01	0	Edit	Remove

5 Channels Found

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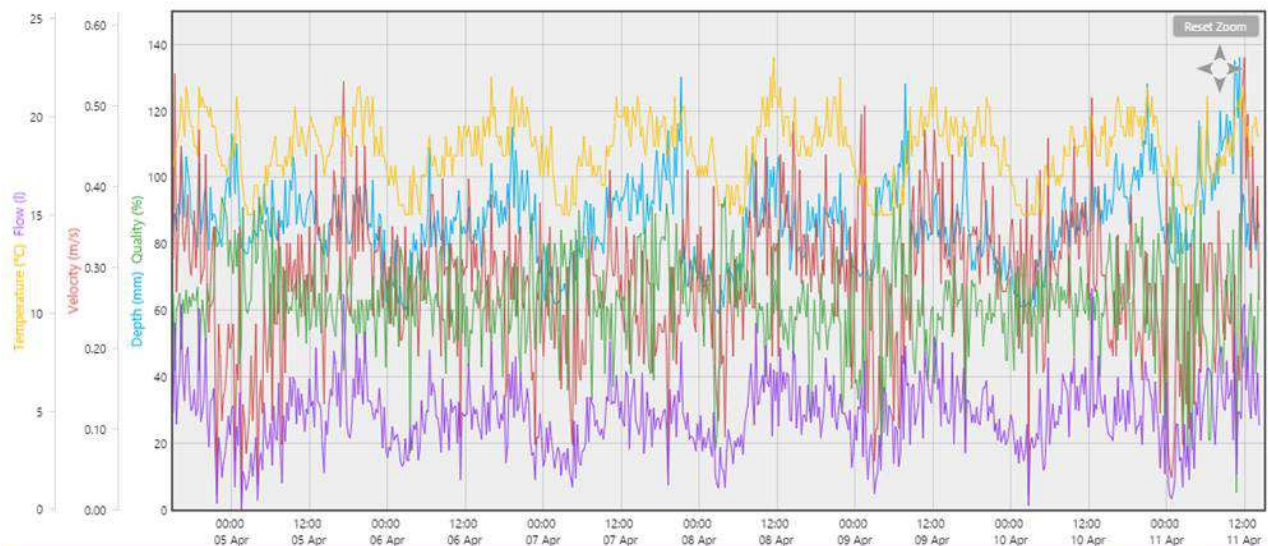
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## Datagate Admin Graph View



Site	Name	Channel Type	Units	Max	Min	Avg
STWW11832 STWW11832_D332-P00001-2MNH03313_REDDITCH - LODGE ROAD (MH5002)_Flow (15m)		C1 Depth (mm)	mm	136.000	59.000	86.290
Logger Type: Intelligens, Last Call In: 11-Apr-2017 15:30 [24h]		C2 Velocity (m/s)	m/s	0.560	0.000	0.280
		C3 Temperature (°C)	°C	23.000	14.500	18.250
		C4 Quality (%)	%	100.000	5.000	62.530
		C5 Flow (l)	l	11.240	0.000	4.750

## Document History:

Edition	Date of Issue	Modification	Notes
1st	17/07/17	Release	