

# Uf 811 OPEN CHANNEL

ULTRASONIC FIXED FLOW METER



MEDIA MEASURED LIQUIDS



CHANNELS UP TO 30M (WIDTH)



MODELS STANDARD DUAL CHANNEL DUAL CHORD



## HIGH PERFORMING

- > Graphic screen
- > Echo, gain and quality index displayed
- > Possible measurement in liquids with solids\*

## ADAPTIVE

- > Multi-parameter data logger
- > Mathematical functions generator
- > Supplementary Input/output modules (analogue, digital)
- > Low flow calculation using level/velocity standards

## ACCURATE

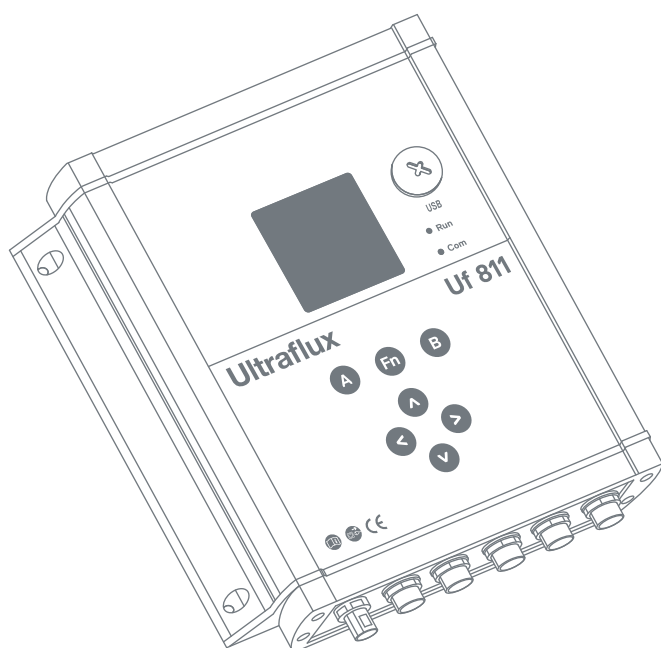
- > Breakdown of the section into 20 height/width points and left/right points
- > Calculation method as per standard ISO 6416

## COMPATIBLE

- > All Ultraflux probes or probes already installed\*

## COMPACT

- > Reduced space requirements



## TYPICAL APPLICATIONS

**Waste water:**  
Flow measurement at treatment works inlets/outfalls (small channels)

**Raw water:**  
Flow measurement in irrigation channels, small rivers

\* PLEASE ENQUIRE

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# Uf811CO

MODEL	STANDARD	DUAL CHANNEL	DUAL CHORD
TYPE OF EQUIPEMENT	Fixed		
WIDTH OF CHANNEL	Up to 30m (in clean water)		
STANDARD MOUNTED INPUTS/OUTPUTS	2 isolated, passive current inputs 4-20mA, 0-20mA, 0-24mA		
USE	Flow measurement	Flow measurement in two channels	Flow measurement with two speed chords
CONDITIONS FOR USE	In open channel flows: open channel, pipe which is not full or a river		
SINGLE OR DUAL CHANNEL	Single channel	Dual channel	Single channel
SINGLE OR DUAL CHORD	Single chord	Single chord	Dual chord
IN OPTION, UP TO 3 ADDITIONAL INPUT/OUTPUT MODULES	> 1 isolated, active analogue output: current 4-20mA, 0-20mA, 0-24mA · Module 1 (Single) > 2 static relay outputs usable as frequency outputs (up to 1kHz) · Module 2 (Single) > 2 isolated current inputs 4-20mA, 0-20mA, 0-24mA · Module 3 (Single) > 2 isolated, passive analogue 0-10V inputs: 0 to 15V voltage · Module 4 (Single) > 2 PT100/PT1000 temperature inputs - taking up the physical space of 2 modules · Module 5 (Dual) > 2 contact 5V inputs (pulse or state) · Module 6 (Single)		
DISPLAY	> Graphical LCD screen (14 lines x 20 characters) > Backlit screen with time delay feature		
TROUBLESHOOTING HELP	Oscilloscope function (echo displayed) · Gain · Quality index		
SET-UP	> Quick and simple - by 7-key touchpad with 2 dynamically allocated - or - via dedicated software supplied > Possible to build in an access code		
INFORMATION STORAGE	> 8MB data logger: time stamping - between 1 and 30 variables - up to 536,886 lines > 3-variable time stamping: 268,443 lines · 14 variables: 71,584 lines · 30 variables: 34,637 lines > Logging frequency from 1 second to 24 hours		
OPERATING SYSTEM	Windows for transfer of content and operation of logger using common software (Excel, etc.)		
7 LANGUAGES	French · English · German · Portuguese · Spanish · Italian · Russian		
COMMUNICATION	> Serial link RS232 or RS485 to JBUS/MODBUS protocol · 115,200 Bauds > USB port		
POWER SUPPLY	> Low voltage power supply: 10-32V dc > Peak consumption < 12W > Average consumption < 6W		
ENCLOSURE	Metallic · Robust and compact · 2kg · 221 x 231 x 59mm		
PROTECTION	IP67		
TEMPERATURE RANGE	For use from -20°C to 70°C (Screen reading from -20°C to 60°C)		

TECHNOLOGY	PERFORMANCES			
<b>ULTRASONIC TRANSIT TIME</b> > Continuous bidirectional measurement  <b>SIGNAL ANALYSIS</b> > By Digital Signal Process (real-time Echo Shape Control, digital filtering and regulation of gain on each firing)	<b>ACCURACY</b> > Up to 0.5%	<b>TEMPORAL RESOLUTION</b> > 0.1ns	<b>UNITS OF MEASUREMENT</b> > From litres per second to cubic metres per day	<b>MEMORY CAPACITY</b> > Up to 11 configurations
	<b>REPEATABILITY</b> > Up to 0.1%	<b>TIME BETWEEN EACH FLOW CALCULATION</b> > 100ms	<b>VOLUME METERING</b> > From a millilitre up to 1,000 cubic metres	<b>ANOTHER IMPORTANT DETAIL</b> > Level measurement not included
	<b>LINEARITY</b> > Up to 0.1%			

NON CONTRACTUAL DOCUMENT

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