

FlowCERT datasheet



Pulsar's FlowCERT is a complete solution for high-accuracy measurement of open channel flows. Teamed with the temperature independent DUET transducer array, FlowCERT achieves the highest possible accuracy in flumes and weirs, and includes 5 alarm or control relays and data logging facilities. Additionally add the Speedy velocity sensor for applications where no (PMD) Primary Measurement device exists.



FlowCERT - General

Function:	Open Channel Flow or Level
Power Supply:	115V AC +5%/-10%, 50/60 Hz, 18-30V DC
Display:	Back lit, 6 digits plus 12 character text, bargraph with direction indicator
Approvals:	UL/CuL NEMA 4X (IP64)
Temperature:	Ambient -4 to 122°F (-20 to 50°C)

Outputs

Relays:	5, form "C" (SPDT) relays rated 5A at 115V/240V AC
Relay Functions:	Level, flow totalizer, rate of change, device failed
Analogue Outputs:	2 x 4-20mA isolated outputs
Analogue Output Functions:	Flow, average flow, level, distance, velocity (of Speedy velocity sensor)

Inputs

Analogue Input:	4-20mA (passive or active)
Analogue Input Function:	From an external level device (i.e. pressure)

Programming

Programming:	Integral keypad - easy and descriptive menu driven parameters or Ultra PC - all parameters accessible and echo traces viewable Ultra Log - used to setup data logging routine and extract data
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Echo Processing

Echo Processing:	Digital echo processing
Masking:	DATTEM Obstruction Masking (unique intelligent masking technology, continually adapting to prevent false levels being shown)

Options

Digital Communications:	RS485 Modbus or Profibus DP V0 or V1
Software:	Ultra PC - diagnostic software, Ultra Log - used to setup data logging routine and extract data

Compatible Transducers

Open Channel Flow App. :	dBMA3*, DUET* dB6, dB6, dB10, dB15 (* recommended for OCF Application)
OCF Velocity App. :	Speedy (applications where no (PMD) Primary Measurement device exists)
Level App. :	dBMA3, dB6, dB6, dB10, dB15
Please see related transducer datasheet for specifications and options.	

FlowCERT

