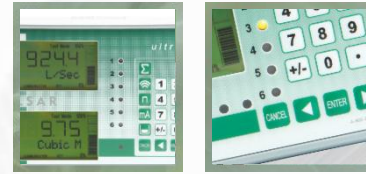


# Ultra Twin datasheet



Ultra Twin is a two-channel reliable non-contact ultrasonic level, volume, pump control, open channel flow measurement or any combination of these. Six control or alarm relays and two 4–20 mA outputs assignable to either channel. Plus Pulsar's world-leading DATEM echo processing software in a choice of two different mounting options. Can operate with any of the Pulsar transducers up to the dB40



## Ultra Twin – General

Function:	Level, Volume, Pump Control, Differential and Open Channel Measurement
Power Supply:	115V AC +5%/-10%, 50/60 Hz, 18-30V DC
Display:	(Fascia mount x 1 display, Wall mount x 2 display) Back lit, 6 digits plus 12 character text, bargraph with direction indicator
Approvals:	UL/CuL NEMA – (wall mount NEMA 4X (IP65)), (fascia mount NEMA 12 (IP64)) American Recovery and Reinvestment Act (ARRA certification on request)
Temperature:	Ambient -4 to 122°F (-20 to 50°C)

## Outputs

Relays:	6, form "C" (SPDT) relays rated 5A at 115V/240V AC
Relay Functions:	Level, flow totalizer, differential control, basic on/off control, advanced pump controls / pump routines, rate of change, device failed
Analogue Outputs:	2 x 4-20mA isolated outputs
Analogue Output Functions:	Level, Distance, Space, Volume, Flow, Differential or Average

## Inputs

Inputs:	(Fascia mount) 7 digital, 4.5 – 30V DC, max current 3mA (Wall mount) 4 digital, 4.5 – 30V DC, max current 3mA
Input Functions:	Duty, override on/off, device failed, inhibit measurement

## Programming

Programming:	Integral keypad - easy and descriptive menu driven Ultra Twin PC - all parameters accessible and echo traces viewable
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## Echo Processing

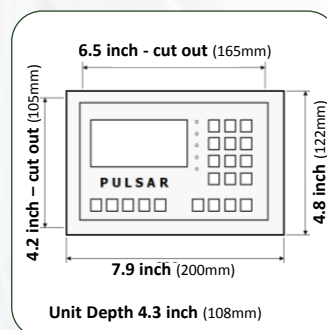
Echo Processing:	Digital echo processing
Masking:	DATEM Obstruction Masking (unique intelligent masking technology, continually adapting to prevent false levels being shown)

## Options

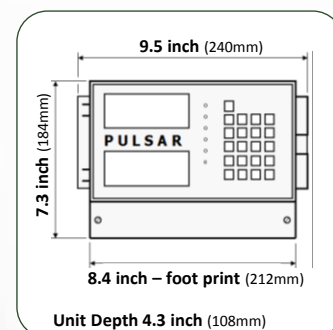
Digital Communications:	RS485 Modbus or Profibus DP V0 or V1
Data Logging:	Data logging card
Software:	Ultra Twin PC - Diagnostic software, Ultra Log – Viewing data logged info

## Transducers – General

Level / Volume App. :	dB3, dB6, dBS6, dB10, dB15, dB25, dB40, dBMACH3
Pump Control App. :	dB3, dB6, dBS6, dB10, dB15, dB25, dB40, dBMACH3
Differential App. :	dB3, dB6, dBS6, dB10, dB15, dB25, dB40, dBMACH3
Open Channel Flow App. :	dBMACH3*, dB6, dBS6, dB10, dB15 (* recommended for OCF Application)
Please see related transducer datasheet for specifications and options.	



**Fascia Mount**



**Wall Mount**