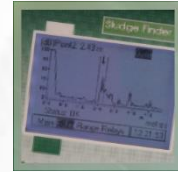


# Sludge Finder 2 with VT10 datasheet



A proven effective sludge blanket interface monitor in both waste water and industrial applications. Sludge Finder 2 provides a continuous level indication and 4–20 mA output of interface height from the tank bottom along with relays for alarm or control use. Sludge Finder 2 is a two channel device that monitors SBR tanks, primary or secondary settlement tanks down to 0.5% density.



## Sludge Finder 2 – General

Function:	Level, Differential and Average
Power Supply:	Universal 100-240V AC 50-60 Hz, 22-28V DC
Display:	192 x 128 pixel illuminated graphical display (real time echo profile viewable) Display has built in compensation sensor for automatic contrast control.
Approvals:	UL/CuL NEMA 4X (IP65)
Controller Temperature:	Ambient -4 to 122°F (-20 to 50°C)
Channels:	2 independent channels (assignable to VT10 sludge or air transducers)
Preset Application Programs:	Primary, Secondary, SBR and Industrial

## Outputs

Relays:	6, Form "C" (SPDT) rated at 5A at 115V/240V AC
Relay Functions:	Level alarms, basic on/off control, device failed
Analogue Output:	2 x 4-20mA isolated outputs
Analogue Functions:	Level, Distance, Space, Differential or Average

## Programming

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

Echo Processing:	Digital echo processing
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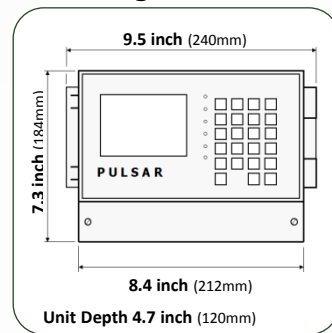
## Options

Digital Communications:	RS485 Modbus or Profibus DP V0 or V1
Data Logging:	Data logging card (view data with Ultra Log software)
Software:	Sludge PC – all parameters accessible and echo traces viewable Ultra Log – Used with data logging card

## VT10 Sludge Transducer – General

Range:	11.8 inches – 33.0 ft. (0.3m – 10.0m)
Accuracy:	0.25% of the measured range or 1.2 inches (30mm) (whichever is greater)
Resolution:	0.25% of the measured range or 0.4 inches (10mm) (whichever is greater)
Transducer Temperature:	-40 to 122°F (-20 to 50°C)
Beam Angle:	<6° full beam angle at -3dB, 700KHz
Maximum Separation:	650 ft. (200m) cable splicing is not an issue
Cable Extension:	2 twisted pair 20 AWG shielded
NEMA:	NEMA 6P (IP68)
Mounting:	1" NPT rear
Wiper Blade:	Stainless steel will fully adjustable interval control

## Sludge Finder 2



## VT10 Transducer

