

Ultra 5 datasheet



Ultra 5 sophistication combines reliable non-contacting ultrasonic level, volume and differential measurement, high specification pump control and open channel flow measurement to international standards. Five control or alarm relays, optional data logging, Pulsar's world-leading DATEM echo processing software and a choice of wall, fascia, panel or 19" rack mounting. Can operate with any Pulsar transducers up to the dB40 dependent on application.



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| Ultra 5 – General | |
| Function: | Level, Volume, Pump Control, Differential and Open Channel Measurement |
| 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 – (wall mount and fascia mount versions only) 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) |

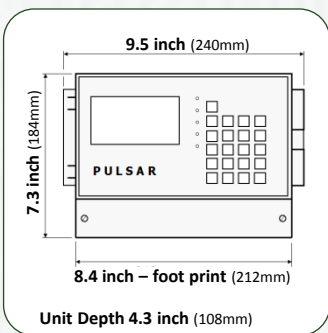
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| Outputs | |
| Relays: | 5, form "C" (SPDT) relays rated 5A at 115V/240V AC |
| Relay Functions: | Level alarms, totalizer pulsing, advanced pump routines, differential control, basic on/off control, rate of change, device failed |
| Analogue Outputs: | 4-20mA isolated output (extra 4-20mA input available) |
| Analogue Output Functions: | Flow, Head, Level, Volume, Distance, Differential, Average or Space |

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| Programming | |
| Programming: | Integral keypad or handheld programmer - easy and descriptive menu driven Ultra PC - all parameters accessible and echo traces viewable |

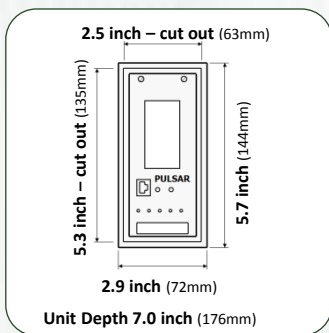
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| Echo Processing | |
| Echo Processing: | Digital echo processing |
| Masking: | DATEM Obstruction Masking (unique intelligent masking technology, continually adapting to prevent false levels being shown) |

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| Options | |
| Digital Communications: | RS485 Modbus or Profibus DP V0 or V1 |
| Data Logging: | Data logging card |
| Software: | Ultra PC - Diagnostic software, Ultra Log – Viewing data logged info |
| Analogue Input: : | 4-20mA input |

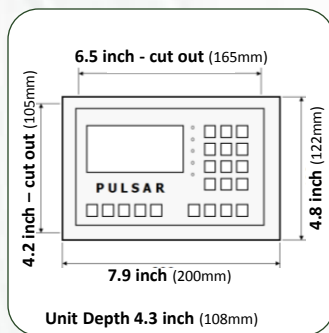
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| Compatible Transducers | |
| Level / Volume App. : | dB3, dB6, dB6, dB10, dB15, dB25, dB40, dBMACH3 |
| Pump Control App. : | dB3, dB6, dB6, dB10, dB15, dB25, dB40, dBMACH3 |
| Differential App. : | dB3, dB6, dB6, dB10, dB15, dB25, dB40, dBMACH3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



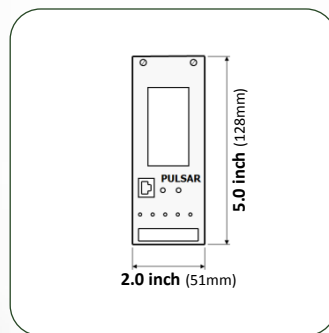
Wall Mount



Panel Mount



Fascia Mount



19" Rack Mount