



Ultrix 100-5

Specification	Ultrix 100-5	Milltronics Probe	E+H FMU 230
Measuring Range	.8-17 feet	.8-17 feet	.8-13 feet
Wiring	2 wire loop powered	2 wire loop powered	2 wire loop powered
Accuracy, in air	.25% of target range	.25% of target range	.25% of target range
Resolution	.125"	.125"	.125"
Operating Temp.	-40 to 60 deg. C.	-40 to 60 deg. C.	-40 to 80 deg. C
Temperature Compensation	Built-in	Built-in	Built-in
Echo Processing	Sonic iterative	Sonic Intelligence	- -
Power Requirements	18-30 VDC 0.66 watts max.	<b>12-28 VDC</b> 0.75 watts max.	18-30 VDC 0.75 watts max.
mA Output Range Span	4-20 mA Proportional or inversely proportional	4-20 mA Proportional or inversely proportional	4-20 mA Proportional or inversely proportional
Status Indication	<b>Visible LEDs</b>	None	<b>Visible LEDs</b>
PLC Compatibility	Yes	Yes	Yes
HART Protocol	No	No	No
Configuration	Magnetic Key	LCD display & keypad	LCD display & keypad
Default Output Settings	3.8 / 4 / 22 mA	4 / 22 mA	4 / 22 mA
Threaded	2" NPT	2" NPT	2" NPT
Weight	2.2 Lbs.	3 Lbs.	3 Lbs.
Beam Angle	<b>8 degrees at -3dB boundary</b>	10 degrees at -3dB boundary	10 degrees at -3dB boundary
Selectable Damping m/min	0.1 / 2 / 4 / 8	0.03 / 1 / 5	0.03 / 1 / 5
Approvals	CE, SABS	CE, CSA, FM	CE, CSA, FM

Bold text highlights a better specification.

## Ultrix 100-7

Specification	Ultrix 100-8	Milltronics Ext. Probe	E+H FMU 231
Measuring Range	1-26 feet	.8-26 feet	.3-23 feet
Wiring	2 wire loop powered	3 wire	2 wire loop powered
Accuracy, in air	.25% of target range	.25% of target range	.25% of target range
Resolution	.125"	.125"	.125"
Operating Temp.	-40 to 60 deg. C.	-40 to 60 deg. C.	-40 to 80 deg. C
Temperature Compensation	Built-in	Built-in	Built-in
Echo Processing	Sonic iterative	Sonic Intelligence	- -
Power Requirements	18-30 VDC 0.66 watts max.	<b>12-28 VDC</b> 0.75 watts max.	18-30 VDC 0.75 watts max.
mA Output      Range Span	4-20 mA Proportional or inversely proportional	4-20 mA Proportional or inversely proportional	4-20 mA Proportional or inversely proportional
Status Indication	<b>Visible LEDs</b>	None	<b>Visible LEDs</b>
PLC Compatibility	Yes	Yes	Yes
HART Protocol	No	No	No
Configuration	Magnetic Key	LCD display & keypad	LCD display & keypad
Default Output Settings	3.8 / 4 / 22 mA	4 / 22 mA	4 / 22 mA
Threaded	2" NPT	2" NPT	2" NPT
Weight	2.2 Lbs.	3 Lbs.	3 Lbs.
Beam Angle	<b>7 degrees at -3dB boundary</b>	10 degrees at -3dB boundary	11 degrees at -3dB boundary
Selectable Damping m/min	0.1 / 2 / 4 / 8	0.03 / 1 / 5	0.03 / 1 / 5
Approvals	CE, SABS	CE, CSA, FM	CE, CSA, FM

Notes:

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