

## Fourier Systems - MicroLog series comparison table

Technical Specifications	Ordering Code				
	EC700	EC750	EC600	EC650	EC601-EXT
List price (ex GST)	\$250	\$400	\$250	\$350	\$350
Model	MicroLogPRO		MicroLog		
Sampling Resolution	<b>10 Bit</b>		<b>8 bit</b>		
Sensors					
Internal	Temperature	Temperature/ Humidity	Temperature	Temperature/ Humidity	Temperature (DT132 hard wired with 12 m cable)
External	Optional (see optional external sensors table)				
Range	-40°C to 80°C	-40°C to 80°C 0 to 100% (RH)	-30 to +50°C	-30 to 50°C 0 to 90% (RH)	-50 to 100°C
Resolution Temperature	<b>0.2°C</b> (-40°C to -20°C) <b>0.1°C</b> (-21°C to 50°C) <b>0.2°C</b> (51°C to 80°C)		<b>0.5°C</b> (-30°C to -29°C) <b>0.4°C</b> (-28°C to -22°C) <b>0.3°C</b> (-21°C to 22°C) <b>0.4°C</b> (23°C to 32°C) <b>0.5°C</b> (33°C to 39°C)		Better than 2°C <b>0.9 to 0.6°C</b> (-17°C to -1°C) <b>0.5 to 0.4°C</b> (0°C to 49°C) <b>0.6 to 0.9°C</b> (50°C to 72°C)
Humidity		0.10%		0.50%	
Accuracy					
Temperature	±0.2°C		±0.6°C		±2% of reading
Humidity		±3%		±3%	
LCD units icons	°C, °F, %RH, pH, V, mA, mS, AL-H, AL-L		°C, °F, %RH, Ext		
Memory capacity	1 sensor - 52000 samples 2 sensors - 26000 samples 3 sensors - 16000 samples		1 sensor 16000 samples 2 sensors 8000 samples 3 sensors 5312 samples		
Sampling rate:	<b>Minimum</b> - 1 per 10 seconds <b>Maximum</b> - 1 per 2 hours				
Output:					
LCD	Four 7 segment digits LCD with decimal point		Two 7 segment digits LCD		
RS-232	Cable connection to the PC with 19200 kbps				
USB-Optional	USB 1.1 Option for quantities of over 200 units. Note: USB option has low water & dust protection		N/A		
Infrared (IR)	Wireless report to portable thermal printer e.g. HP82240B				
IR Print-out options	1) Minimum, maximum and duration for up to 30 days OR 128 of the last recorded values		Minimum, maximum and duration up to 30 days		
Power supply	Internal Lithium battery 3.6V, 1/2AA, 1.2AH				
Battery life	Approximately 24 months (May vary with number of sensors connected and operation)				
Dimensions					
Round	72mm diameter				
Thickness	22.9mm				
Weight	55gr				255gr

Available from Esis Pty Ltd Pty Ltd

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