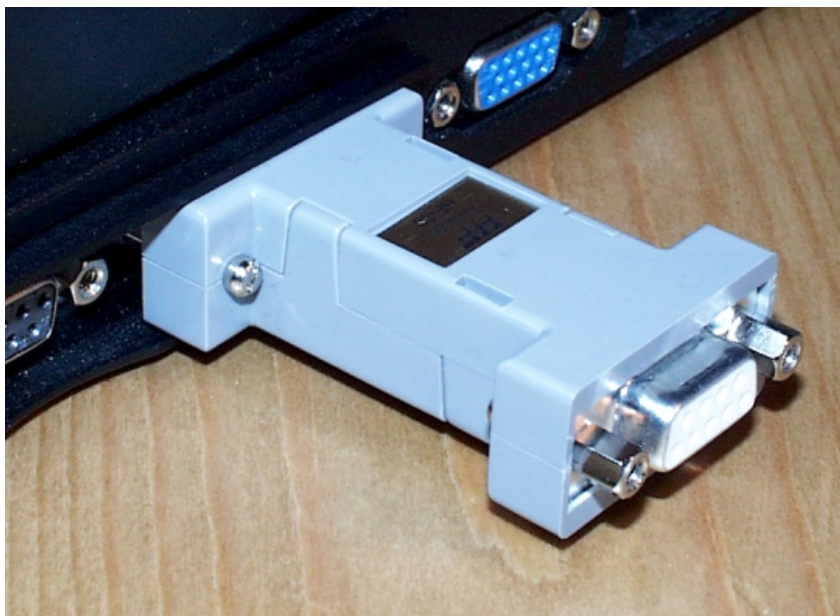


## HF-08 Analogue to Serial Converter

- 8-bit analogue digitisation
- 7 Ranges from  $-2.5$  to  $+5.0V$
- Data rate selectable up to  $10kHz$
- Four times more sensitive than similarly priced devices
- Fits directly onto PC serial port – does not block printer port
- No external power needed
- A wide variety of software available,  
Including DOS: Scope  
Spectrum analysis  
Waterfall display  
Windows: Voltmeter  
Datalogger
- Crystal controlled timing for accurate DSP/FFTs
- Base accuracy: 1% of reading plus 1LSB
- Input impedance up to  $10M\Omega$  (normally  $200k\Omega$ )
- Sub  $5mV$  resolution (on  $1.25V$  range)
- “Standard” and “Precision” versions available.



### Specifications

Parameter	Input Range						
	0 to 2.5V	0 to 5.0V	0 to 2.5V (differential)	0 to 1.25V	-2.5 to +2.5V	-2.5 to 0V	-1.25 to +1.25
<b>Coupling</b>	DC	DC	DC	DC	DC	DC	AC
<b>Input Impedance</b>	$>10M\Omega$	$200k\Omega$	--	$>10M\Omega$	$200k\Omega$	$200k\Omega$	$100k\Omega$ in series with $1\mu F$
<b>Accuracy</b>	(Quoted as % of reading + number of counts)						
<b>Standard</b>	$\pm(1\% + 1lsb)$	$\pm(3\% + 1lsb)$	$\pm(3\% + 1lsb)$	$\pm(3\% + 1lsb)$	$\pm(3\% + 1lsb)$	$\pm(3\% + 1lsb)$	$\pm(3\% + 1lsb)$
<b>Precision</b>	$\pm(0.25\% + 1lsb)$	$\pm(0.25\% + 1lsb)$	$\pm(0.5\% + 1lsb)$	$\pm(0.25\% + 1lsb)$	$\pm(0.25\% + 1lsb)$	$\pm(0.25\% + 1lsb)$	$\pm(0.25\% + 1lsb)$
<b>Resolution</b>	$9.8mV$	$19.5mV$	$9.8mV$	$4.9mV$	$19.5mV$	$9.8mV$	$9.8mV$
<b>Sampling Rate</b>	Selectable: $100\mu s(10kHz)$ , $140\mu s(7.142kHz)$ , $400\mu s(2.5kHz)$ , $1ms(1kHz)$ , $200ms(5Hz)$ , $1s$ , $5s$ , $10s$ , $1minutes$ , $5minutes$						

**Connectors: Input: 9 way D**  
**Output: 9 way D Standard PC Serial port format**