

# SPECTRA 5011/5031

Universal multi channel analysers



## Technical data

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Bias voltage:	+35 V pre-set (model 5011) +12 .. +40 V adjustable (model 5031)
Sampled input range:	0 .. 2 V
Noise cut off:	50 mV pre-set (model 5011) 0 .. 200 mV adjustable (model 5031)
Min. pulse rise time:	5 $\mu$ s (approx. 2,5 $\mu$ s Gaussian shaping constant)
Max. pulse rise time:	50 $\mu$ s (approx. 25 $\mu$ s Gaussian shaping constant)
Gain adjustment:	manually, 1 to 10 linear
Max. pulse frequency:	10 kS/s
ADC resolution:	8 .. 12 bit
Accuracy:	$\pm$ 1,5 LSB
System dead time:	72.5 $\mu$ s/pulse fixed + adjustable delay time
Spectra memory:	256, 512, 1024, 2048 or 4096 channels, 32 bit wide
Sample timer resolution:	0.05 s
Max. selectable sample interval:	768000 s (9 days)
Min. time step:	1 s
Timer accuracy:	5 ppm
Power supply:	internal battery or mains power adapter (5011) rear panel connector for 19" rack back plane (5031)
Battery operation:	> 10 hours (model 5011)
Interface:	serial CAN bus system (2 wires) with USB adapter
Dimensions:	140 x 190 x 55 mm, 1.5 kg. incl. battery (5011) 14TE/3HE (model 5031)
Software:	SPECTRA Control for Windows (TM) 2000/XP/Vista

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