

STM Specifications

STM Logging		Features	
Analogue Channels	5 differentialO	Power Management	
Resolution	0.00001V-24-Bit	<ul style="list-style-type: none"> • Internal Lithium-Polymer Battery • Power On/Off Switch • Internal Voltage Regulation • Optical Isolation Lightning Protection 	
Accuracy	0.001V	Logging	
Minimum Logging Interval	1 second	<ul style="list-style-type: none"> • Stand-Alone Logging • 24-Bit Resolution • MicroSD Expandable Memory • USB Connectivity • Wireless Data Transfer • IP6 Water Proof Rating • Free Windows Utility Configuration Software 	
Delayed Start	Suspend Logging, Customised Intervals	Accessories	
Sampling Frequency	10Hz	<ul style="list-style-type: none"> • MCC • Quad Band GPRS, GSM, 3-G CDMA Modem 	
Data			
Communications:	USB, Wireless Radio Frequency 2.4 GHz		
Data Storage	MicroSD Card, SD, SDHC & SDXC Compatible (FAT32 Format)		
Software Compatibility	Windows ViVWā		
Data File Format	Comma Separated Values (CSV) format for compatibility with all software programs		
Memory Capacity	8WR7LFUR6FDUGLE05HG		
Operating Conditions			
Temperature Range	-40°C to +80°C		
R/H Range	0 -100%		
Upgradable	User upgradeable firmware using USB boot strap loader function		
Power			
Power supply	V DC 2-wire non polarized bus		
Power Consumption	20 mA		
Internal Battery Monitoring	Logging internal battery voltage & charging current		
Charging Rate	Automatic variable rate of charging to maximise solar panel charging current on full sun days and or under low light cloudy conditions. Variable current mA to 200 mA		



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