

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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