

| TECHNICAL SPECIFICATIONS | |
|--|---|
| Processor | CPU ARM Cortex A8 500MHz |
| Converter AD | 24 bit |
| Inner box for electronics | Made of polycarbonate with IP 65 protection degree |
| Real time clock | Accuracy of 5 ppm/year; full calendar with automatic leap year correction |
| Built-in self-diagnostics in real time | |
| MEMORY | |
| Ram | 256MB to run the operating system and main processing |
| Program Flash | 1GB, access time 25 μ s |
| INPUT PROTECTION | |
| Digital inputs and outputs with galvanic isolation | |
| Wiring | Wires access the inner box through metal shielded cable glands with IP65, internal connections with polarized removable clips |
| Protection from induced electric shock | |
| INPUTS AND OUTPUTS | |
| USB ports | Ver 2.0 / 1.1 |
| Ethernet port | 10/100Mb |
| Solid-state SD memory card reader | Ability to read/write removable SD memory with storage capacities up to 64 GB |
| WiFi interface | Wifi 802.11 b/g |
| Serial ports | RS232/422/485 with 2 wires or 4 wires |
| Console port | RS232 dedicated |
| Thermo resistant port | PT100 84–124 Ohm |
| Analog input | 0/5 V - 4/20 mA independently set |
| Rainfall inputs | For voltage-free contact |
| Frequency input | Square wave 0 – 416 Hz |
| Ipotentiometer inputs | 10 KOhm |
| Digital inputs | With wake-up purpose |
| Digital outputs | With opto-insulation |
| DTS TOUCHSCREEN INTERFACE | |
| Display dimension | 7" |
| Resolution | 800 x 480 |
| Backlighting | LED |
| Touch screen | Capacitive |
| GENERAL SETTINGS | |
| Power | Solar-cell to 12 Vdc with battery buffer and regulator; Alternatively, 220 Vac power supply with IMQ transformer low voltage (24 Vac), buffer battery |
| Operating Temperature range | -22 \div +140°F |
| Humidity | 0 \div 100 % also condensing |

MHASTER

