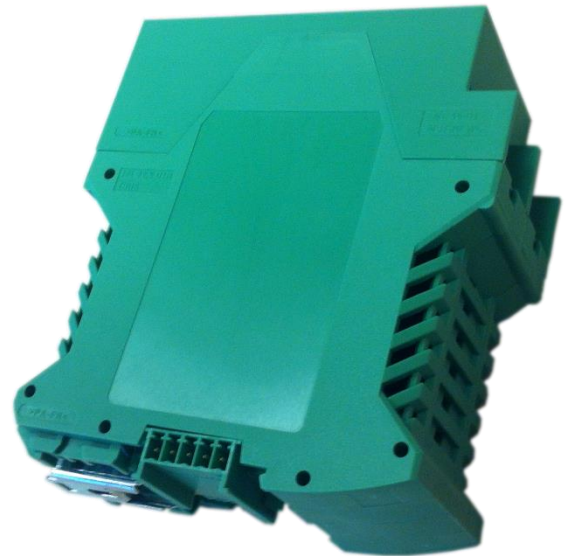# ortana

Intelligent Traffic Solutions

Data Logger
METEOS 901

ORT/SD-METEOS 901

Ortana Data Logger is a control and storage unit for Integrated Weather Station, Visibility Sensor and Passive Road Surface Sensor. METEOS 901 is designed to used in control cabinets for electronic data-processing and storage.

- Especially built for Meteorology Cabinets

- Ideal for Data Processing and Storage

- Ergonomic, Compact and Rail Mounted Design

- Simple Installation

- No Maintenance Requirement

- Internal Temperature Sensor

- Internal GPS Sensor (Optional)

- Internal GSM/GPRS-HSPA (Optional)

- 8 GB SD Card Support (268 Million Data Records)

- Both Proprietary (TCP/IP, Modbus, Profibus) and Open (NTCIP) Communication Protocols

- WEB Based User Interface

- Internal Diagnostics for Sensor Fault, Low Battery Communication and Power Losses

- Internal Power Backup Unit for Data Losses

- Very High MTBF

- Integrated Weather Station, Visibility Sensor and Passive Road Surface Sensor, all of them are controlled by only one unique control unit via Isolated RS485 port.
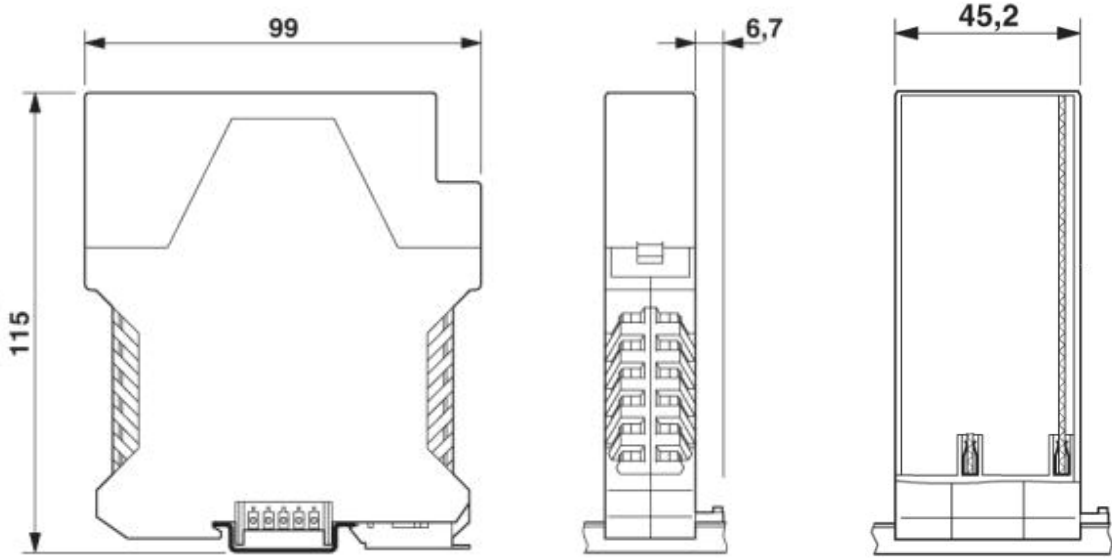
Mechanical Specifications

Mechanical Dimension	: 99 (w) x 115 (h) x 45 (d) mm
Housing Material	: Plastic
Housing	: Flame Retardant, Halogen & Phosphorus free
Color	: Green (6021)
Weight	: Approx. 600 gr

Electronics Specifications

Control Unit	: 32 Bit Microcontoller, RTC Module
Clock Speed	: 66 MHz (54 MIPS)
Internal Flash Memory	: 2 MB
External Memory	: 8 GB SD Card (max. 32 GB)
Storage Rate	: 1/10/12/15/30 min, 1/3/6/12/24h
Interfaces	: Ethernet (RJ45) (Parameters are controlled/managed via WEB-GUI)
	Isolated RS-485 Half Duplex (up to 115200bps) (for Sensors)
Supported Protocols	: NTCIP, TCP/IP, Modbus, Profibus
Operating Temperature	: - 40ºC to +80ºC
Operating Humidity	: %0-100 Relative Humidity
Power Demand	: 6 – 35 VDC +/- 10%
Power Consumption	: < 8W