

### **Technical Details : Sensor**

- Size (HxWxL) 183 x 140 x 422mm
- Vertical Blanking Distance : 300mm
- Weight 3,85kg (without cable, level sensor and mounting accessories).
- Polyurethane materials
- Cable lengths 10, 20, 30 or length as needed up to 300mm
- Protection IP68
- Certifications CE
- Temperature Range Operating: -20°C to 50°C
- Storage: -30°C to 60°C
- Power Required Input Voltage: 4 to 26 VDC
- Output 1 Passive Analog 4-20mA (Configurable)
- Communication RS-485 (serial MODBUS ASCII open protocol) for use with PLCs

### **Technical Details : Control Unit – Mcerts Applications**

- Size (HxWxL) 240 x 184 x 118 mm
- Power supply 18-36 V dc, 110-240V ac, solar power and flash firing options available
- Max-Min temp range -20 to +55 Deg C
- Displays 6 Digits, plus 12 char text
- Outputs 2 x 4-20 mA, 5 x relays, faults, pulse
- Set up via keypad or PC

### **Velocity Measurement**

- Method Non-Contact Radar Doppler
- Measurement Range  $\pm 0,15$  m/s to  $\pm 9$  m/s
- Measurement Bi-Directional
- Accuracy  $\pm 0.5\%$  or reading  $\pm$ zero stability
- Zero Stability  $\pm 0.02$  m/s
- Minimum Velocity 0,15 m/s

### **Sewer/Channel Networks Monitoring**

- Large sewer channels
- Capacity studies
- Combined sewer overflow (CSO) studies
- Inflow & Infiltration Studies
- High Velocity flows
- Discharge

### **Wastewater Treatment Plants**

- Flow to treatment
- Discharge
- Plant effluent
- Storm discharge
- Process flow control

### **Industry & Hydropower**

- Plant effluent
- Process waste water
- Flows with high solid contents
- Cooling water
- Industrial compliance monitoring
- Caustic & Corrosive flows

### **Rivers, Channels & Irrigation**

- Storm water monitoring & compliance
- Climate & hydraulic engineering
- Storm water basins calculations
- Permanent measurements of surface water