

# EL200 CONTROLLER WITH PROBES



## Designed for rugged environment with lightning protection

The EL200 controller is designed to be use outside if necessary thanks to an aluminum casted IP65 enclosure. Special protection against lightning are installed on each probe inputs as well as on the power input and communication ports. The touch screen is protected by an acid resistant protection film to assume a efficient long term protection.

## Auto-cleaning probes

The EL200 delivers a free potential contact to drove solenoid value on compressed air to clean the probes equipped with air cleaning. The period and cleaning time are adjustable to adapt to different applications

## User-Friendly Interface

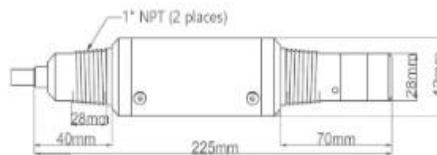
The colour touch screen and intuitive interface available in 8 different languages (Chinese, English, French, German, Italian, Portuguese, Spanish, Turkish) makes very easy to test or configure the analyser. A number of test functions allows to test and troubleshoot each element of the controller to setup quickly a maintenance diagnostic. The complete configuration can be saved on a USB key and reload if necessary.

## ROBUST INDUSTRIAL PROBES

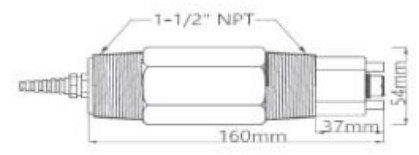
All the probes are specially designed for harsh environments with high level of suspended solid.



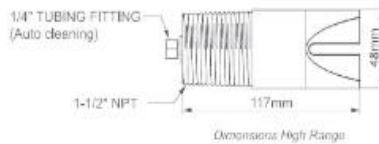
ORP/pH Probe



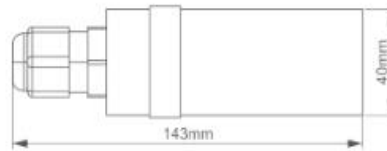
Dissolved Oxygen Probe



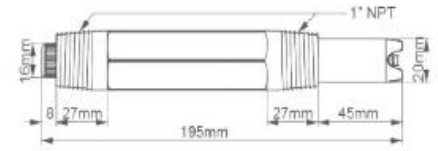
pH Differential Probe



Total Suspended Solid Probe



Turbidity Probe



Conductivity Probe

## COMMUNICATION

Two 4-20 mA output are available on the main board, and two additional 4-20 mA modules can be plugged.

The RS232 port and the RS485 port support the MODBUS protocol to transmit each measuring channel value to a SCADA system. Additional parameters are available like status code, error code, calibration values. A web interface makes possible to drive remotely the analyser from any computer, tablet a smart phone with a web browser. For this, an external Wi-Fi or Ethernet module must be added to connect it to an existing network with an internet gateway. A USB port enable to download on any USB key the last 24 hours recorded measurements as well as a diagnostic file containing the configuration and useful information for remote troubleshooting. The recording measurements file can be imported to Excel for graphs or other treatments. The software of the controller can be upgraded by connection a USB key.

## EL200 DIMENSIONAL DRAWING

