

## Temperature and Oxygen measurement device

### Ferrotron OXYNET



Microprocessor controlled evaluation device performed in a dust- and splash-proof sheet metal enclosure for measurement in liquid metals.

#### Technical data:

- Available thermocouple types Pt10 (S), Pt13 (R), Pt30/6 (B)
- Measuring range for T / EMF 400°C - 1820 °C / - 400 to + 400mV
- Calculation of activity of oxygen (ppm)
- Calculation of carbon, of AL-addition or AL-soluble
- Bath level detection (option)
- Aluminium housing (type of protection IP65)
- Potential free contacts to control external horn and traffic lights
- Signal lights for indication of the measuring sequence built-in the front (4 LED)
- LED display, 2 lines with 6 decades, 30mm for T, EMF or Oxygen/Carbon
- Ready for networking, incl. printer control
- Serial data outputs (RS422 and Ethernet) with customised protocol
- Power supply 230 V AC (85-264V), 50/60 Hz or 24 V DC

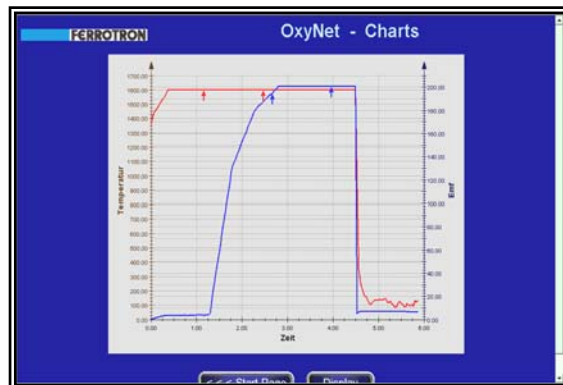
Equipped with our standard software a lot of features are possible. For example the following displaying variants can be used with the OxyNet (display at a connected PC):

**Display** of measured results

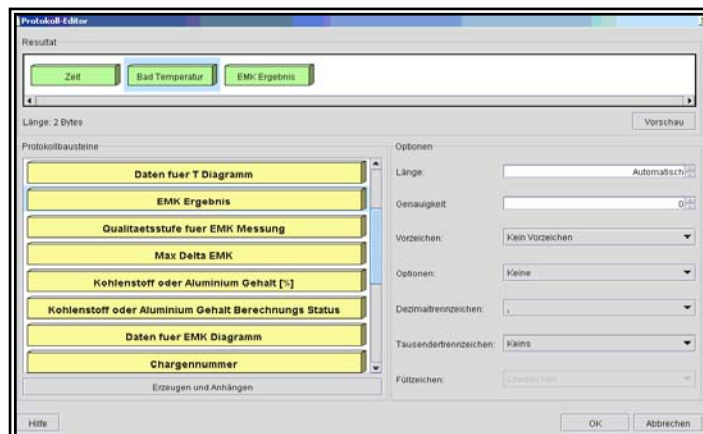
**Charts** of measured results

in second line (e.g. a(O) or EMF / a(O))

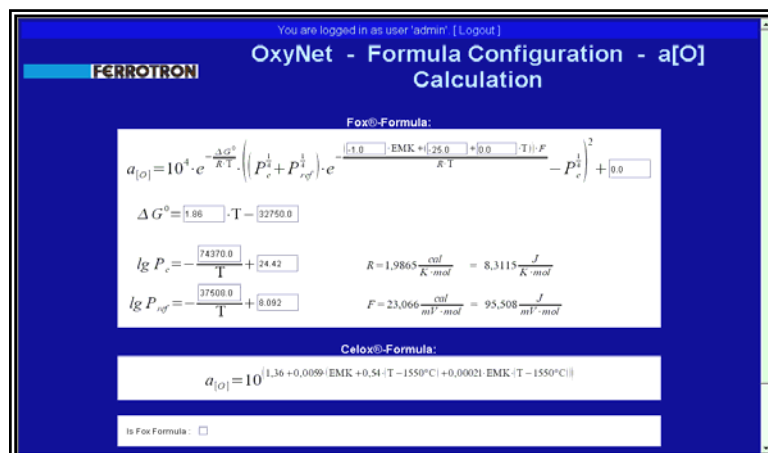
of T - and EMF – graph



**Editor** for the **data protocol** via serial links, easy to handle



**Formula** for a(O), C% und Al% / Al (kg), easy to handle by the operator



Information contained herein is believed to be accurate and reliable. However, no responsibility is assumed by Minteq/Ferrotron Division for its use. Technical data are subject to change without notice.

File: OxyNete.doc

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