On-Line **ZINC** Analyzer

- no filtration and sample preparation
- instant results with continuous performance validation
- manual sample entry system for spot-check analysis
- easy mode of operation

if your application is

- **AUTOMOTIVE PRETREATMENT**
- **METAL SURFACE TREATMENT**
- PLATING INDUSTRY

your solution is the

POLYMETRON Model 8810 ZINC Analyzer

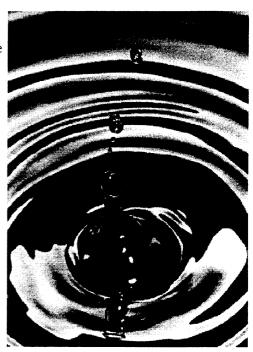
THE METHOD

Utilizing the proven ORP oxidation titration method, the 8810 will perform under severe process conditions reliably and accurately.

After capturing the sample, a Phosphate Buffer solution is added to condition the sample to pH 1.4, and an EDTA solution to react with other metals.

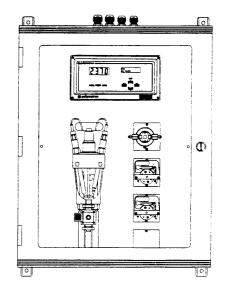
Next the Potassium Ferrous Cyanide solution is injected to react with the Zinc. This reaction results in the mV potential change, which is detected by the Platinum ORP electrode.

By tracking the mV changes versus the amount of titrant solution consumed, the point of inflection or the endpoint will equal the concentration of ZINC.



Technical Specifications

Lower detectable limit: Measuring range: Detection Method: Calibration: Chemical consumption: Operating temperature: Sample frequency: Sample streams: Sample volume/cycle: Sample temperature: Sample pressure: Sample flow rate:	
Power:	110/220 VAC 5060 Hz
Compressed air: Signal output: Enclosure rating:	75105 psi (57 bar) 2 0/420 mA Analog output 3 potential free relay contacts 1 RS 232/422 Serial output NEMA 12 / 4 / 4X or Ex proof
Life Osure Taurig.	



System Configuration

l each	368810.50116 includes:	Analyzer Model 8810, ORP base unit, 110V - 60Hz
l each	368810.70060	2.112g/l Potassium Ferrocyanide / 0.2g/l Potassium Ferricyanide titrant solution Reagent pump, peristaltic, for: 37g/l Potassium Phosphate / 20% ortho-Phosphoric Acid Conditioning solution
l each	368810.70060	Reagent pump, peristaltic, for: 0.05M EDTA Conditioning solution
l each	368810.52000	

OPTIONS

l each	368810.56000	Automatic chemical cleaning system
l each	368810.60000	Automatic calibration system
l each	368810.65000	Manual sample entry system
l each	359097.00160	
l each	368810.40000	NEMA 4X Fiberglass enclosure, wall mount
I each	368810.45000	NEMA 12 Steel enclosure, floor mount

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