

# ALPHA LM-1S

## Liquid Conductivity Meter



### General:

The LM-1s was specially designed for measuring the conductivity of liquids in waste water investigation and other biochemical experiments. It works with alternation current to avoid electrolysis effects. The results are almost free of lag, which makes monitoring and automatic controlling of dynamic processes possible.

A 5cm parallel wire probe is used as the reading recorder.

Other kinds of sensors are available upon request.



### Applications:

- \* Bio-Chemistry
- \* Food Industrie
- \* Schools, Universities

### Specifications:

- \* Conductivity Measuring with sine-wave signal at 2 kHz.
- \* Short Response Time of < 10ms.
- \* Frequency selectiv evaluation for suppression of disturbances.
- \* 5 Measuring Ranges: 0...100 mS, 0...1mS, 0..10mS, 0..100mS, 0..1000mS  
to be choosed manually or computer controlled. (Computer overrides manual function.)
- \* Measuring results shown on LCD Display
- \* Measuring results available as DC-Voltage 0...10 Volt at BNC-Connector.
- \* Accuracy (referring to probe connecting point): < 2% absolute.
- \* Potentiometer "C comp" for compensation of stray capacity of longer cables.
- \* Case dimensions 21 x 20 x 12 cm.
- \* Weight 1.8 kg / 4.0 lbs