

CALIFORNIA INSTITUTE OF TECHNOLOGY
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GATES AND CRELLIN LABORATORIES OF CHEMISTRY

June 26, 1941

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Dr. Melvin Calvin
Department of Chemistry
University of California
Berkeley, California

Dear Dr. Calvin:

Thank you for sending me the description of the oxygen recorder. Dr. Pauling and I were both interested to see it.

Today I am shipping the oxygen meter you ordered from us. There are instruction sheets included with the instrument. I did not indicate on these sheets the precision to be expected, but I think that with reasonable care the meter indications should be correct to considerably better than 1 cm. over most of the 76 cm. range.

As you will see, the scale is by no means linear. I hope that the relative insensitivity at the high end will not be too serious a drawback in your work. You really ought to have two meters, one sensitive at high and one at low oxygen pressures. However, since we are not on a production basis and your funds might be taxed to pay for two instruments, I hope the present instrument will be a satisfactory compromise.

You told me that you would be able to use the meter at room temperature. Because of that and because we are not at present set up conveniently to run temperature effect tests on an instrument of this range I have not made such tests on this instrument. From tests we have made on other instruments I think temperature errors will be negligible when the instrument is used within two or three degrees of its calibration temperature.

I hope this instrument will give you satisfactory service, and I will be glad to hear from you as to how it does work out.

Very truly yours,

Reuben E. Wood

Reuben E. Wood CLASSIFICATION CANCELLED OR

Enclosure

CHANGED TO Unclassified
BY AUTH. CE DAR-1 4-3-1

BY David S. Wood DATE 4/1/96

by 78 Product ADD 3/1/96

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