TELEDYNE ANALYTICAL INSTRUMENTS

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December 16, 1980

VIAMED 7 the Crofts, Farnhill Heighley, West Yorkshire BD20 9AG United Kingdom

Reference: Our 11 Dec. Meeting

Subject: Thermistor/Resistor for use with C-2 Micro-fuel Cell

Dear Mr. Lamb:

Thank you for your recent visit to our facility in San Gabriel.

During your visit you requested technical information regarding the thermistor/resistor set we use with our C-2 cells in medical instrument probes. As you know, proper thermistor/resistor selection is important to optimizing analyzer accuracy throughout the operating temperature range.

Please refer to the enclosed drawing B-10307. The resistor we select for use in 300D probes with C-1 (and C-2) cells is a metal film resistor of 36.5 ohms (1%, 1/8 w). This is our P/N R-525. The thermistor we use is 196.5 ohms $\pm 5\%$ at 25 °C. A description of this thermistor is enclosed. Note that curve 2 mentioned on page 9 applies. Also enclosed is information describing our supplier of this product.

If we can be of further assistance, do not hesitate to contact us.

Very truly yours,

TELEDYNE ANALYTICAL INSTRUMENTS

Brown

Jeffrey A. Brown

Applications Engineer

International Sales Dept.

JAB/sv

cc: UNITED EXPORTERS

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Suite 800

San Francisco, CA 94104

Enclosures: Drawing B-10307

Thermistor Info from Western Thermistor

Dale Electronis

J. Hugher

0622 643131