



UDT SENSORS, INC.

12525 Chadron Ave., Hawthorne, CA 90250
(310) 978-0516 • FAX (310) 644-1727

February 28th, 1997

Mr. Ed Avila
Teledyne Analytical Instruments
16830 Chestnut Street,
City of Industry, CA 91748-1020

Subject: Finger Probe Samples

Ed:

Enclosed are six finger probe samples for you to evaluate. I have added a 7.5K (1%) resistor between pin 1 and pin 6 of the DB9 connector per your instructions thru Viamed.

Out of the six samples that were tested with a Nellcor Oximeter, five are working well, one is not stable. I am enclosing all six samples for your evaluation of accuracy. Please reference following test data of the sample probes.

Test Data

all LED tested @ 20mA, room temp = 19.5 - 20.0°C

S/N	Wave Length (nm)	Output (mA/W)	Wave Length (nm)	Output (mA/W)
8	662.203	3.064	876.969	1.667
9	658.242	3.129	876.969	1.697
10	661.214	3.194	876.969	1.717
11	656.756	2.708	876.969	1.637
12	662.203	3.399	876.969	1.717
13	660.719	3.108	876.969	1.617

Please let us know the results of you testing & evaluation.

Regards,

Billy Cheng
Design Engineer



VIAMED



TEST

RESULTS

17/12/96

Finger Probe 1	Finger Probe 2	Flexi-site 1	Flexisite 2	Epic Equivalent	OEM
94%	94%	93%	92%	Ohmeda - 98%	96%
94%	94%	93%	92%	Spacelabs - 98%	-
94%	94%	93%	92%	Datex - 97%	98%
94%	94%	93%	92%	Nellcor - 97%	97%

[Signature]



Viamed Limited, 15 Station Road, Cross Hills,
Keighley, West Yorkshire BD20 7DT
Tel: 01535 634542 / 636757 Fax: 01535 635582
Registration No. 1291765 in England