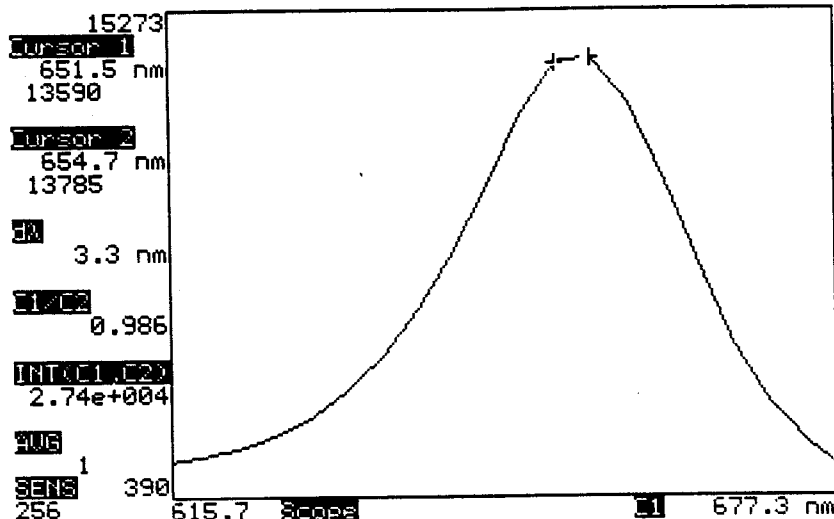


Tan



RED	
Peak Wavelength @ 20 mA	655.2 nm
Radiant Power @ 20mA	2.4 mW
Forward Voltage @ 20 mA	1.8 V
Reverse Voltage @ 10uA	> 5V
Peak Wavelength @ 20 mA	942.7
Radiant Power @ 20mA	2.2 mW
Forward Voltage @ 20 mA	1.2 V
Reverse Voltage @ 10uA	> 5 V

Ta = 23° C

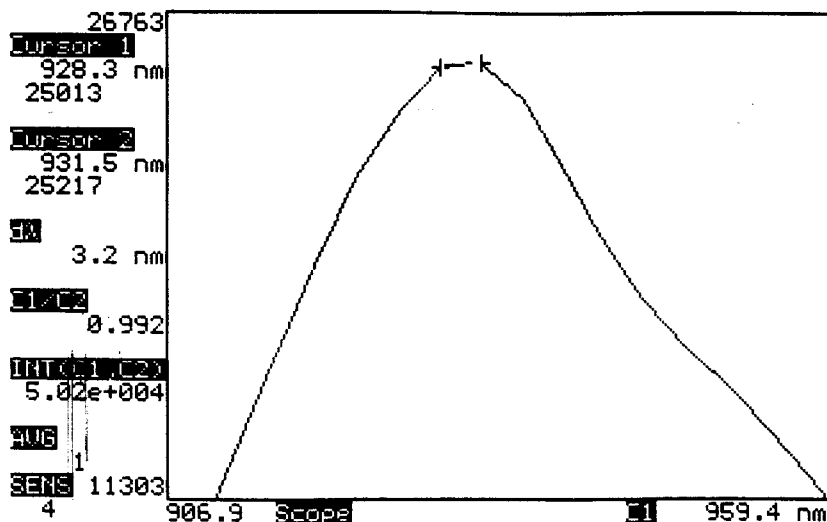
Spectrometer.	SPM 9001.
Manufacturer of Probe.	Viamed.
Type.	Finger.
Part No.	P867RA Prototype A.
Serial No.	9F22432.
Connector.	9 pin male. ohmeda type.
Connects to.	Monitor or extension cable.
For use on.	Ohmeda monitors.
Tested on.	Not as yet.
	Actual. Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm 660. 656nm.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm 930.
Emitter Configuration.	Common anode, 3 lead drive.
Carried out by.	S Watmough.
Signed.	<i>[Signature]</i>
Date.	16th Nov 99.

Notes.

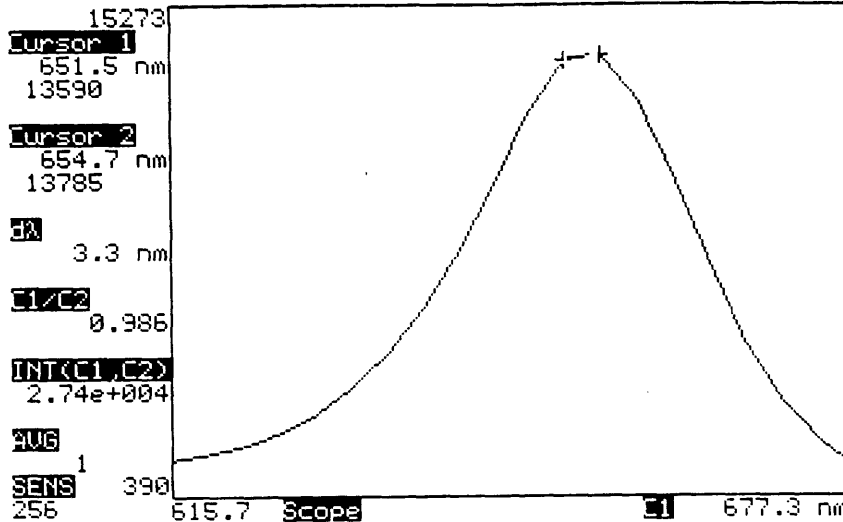
FORWARD DIODE VOLTAGE

RED 1.496V

IR 1.194V



Txn



EMITTER		Ta = 23°C
IR	RED	
Peak Wavelength @ 20 mA	655.2 nm	
Radiant Power @ 20mA	2.4 mW	
Forward voltage @ 20 mA	1.8 V	
Reverse Voltage @ 10uA	> 5V	
Peak Wavelength @ 20 mA	942.7	
Radiant Power @ 20mA	2.2 mW	
Forward voltage @ 20 mA	1.2 V	
Reverse Voltage @ 10uA	>5 V	

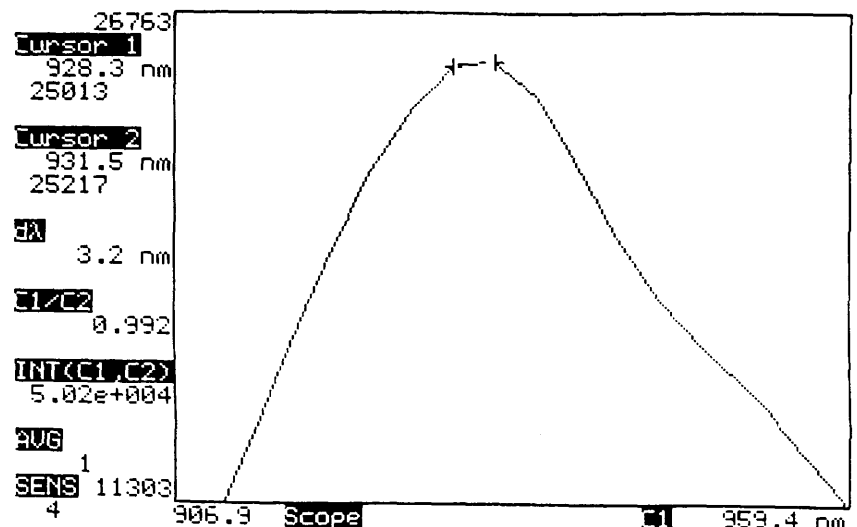
Spectrometer.	SPM 9001.	
Manufacturer of Probe.	Viamed.	
Type.	Finger.	
Part No.	P867RA Prototype A.	
Serial No.	9F22432.	
Connector.	9 pin male. ohmeda type.	
Connects to.	Monitor or extension cable.	
For use on.	Ohmeda monitors.	
Tested on.	Not as yet.	
	Actual.	Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm	650. 656nm.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm	930.
Emitter Configuration.	Common anode. 3 lead drive.	
Carried out by.	S Watmough.	
Signed.	<i>S Watmough</i>	
Date.	16th Nov 99.	

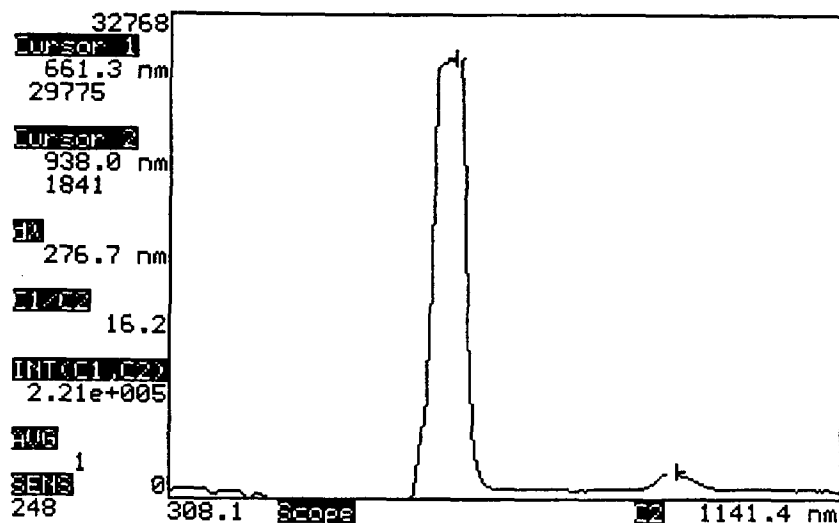
Notes.

FORWARD DIODE VOLTAGE

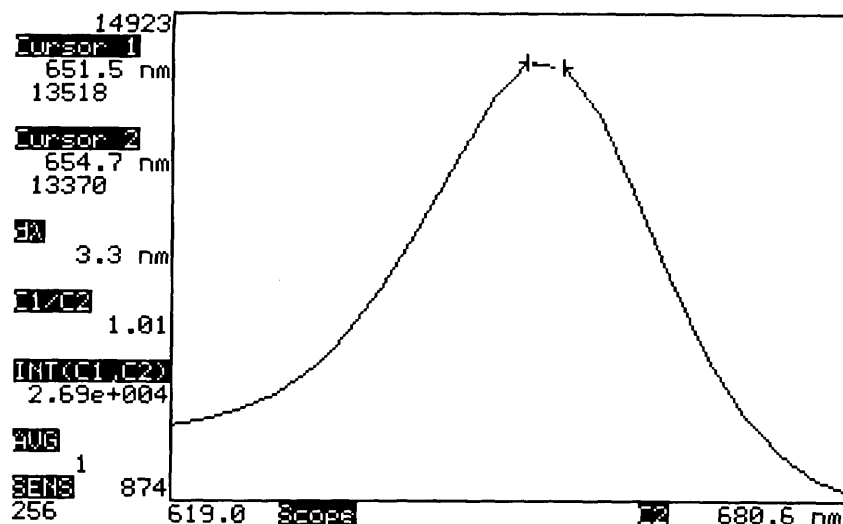
RBD 1-496v

IR 1-194v





Spectrometer:	Prema SPM 9001
Manufacturer of probe:	UDT
Part number:	P867RA modified - connector replaced
Serial number:	
Cable length:	3 ft
Connector:	Compushield
Connects to:	Extension cable
For use on:	Sensormedics
Tested on:	Sensormedics Sat-Trak
Red peak wavelength:	661
Infra red peak wavelength:	*940
LED configuration:	3 lead



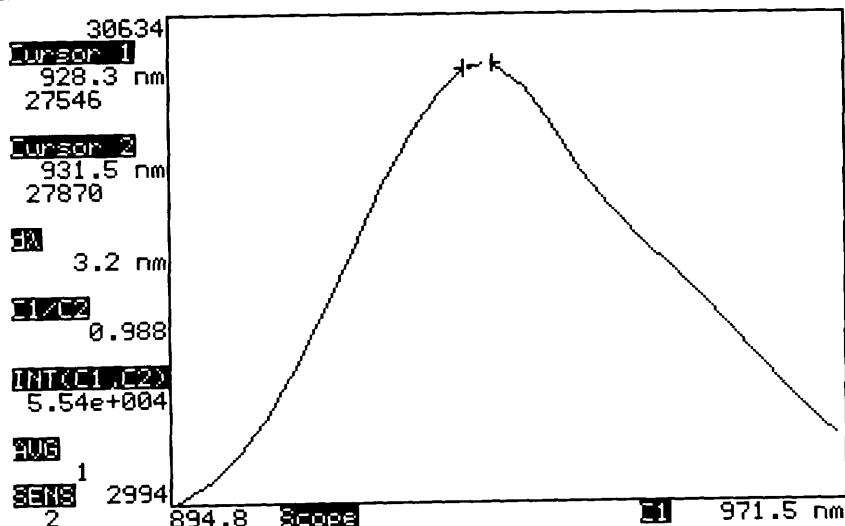
EMITTER		Ta = 23° C
IR	RED	
Peak Wavelength @ 20 mA	656.7 nm	
Radiant Power @ 20mA	3.2 mW	
Forward voltage @ 20 mA	1.8 V	
Reverse Voltage @ 10uA	> 5V	
Peak Wavelength @ 20 mA	942.7	
Radiant Power @ 20mA	2.3 mW	
Forward voltage @ 20 mA	1.2 V	
Reverse Voltage @ 10uA	> 5 V	

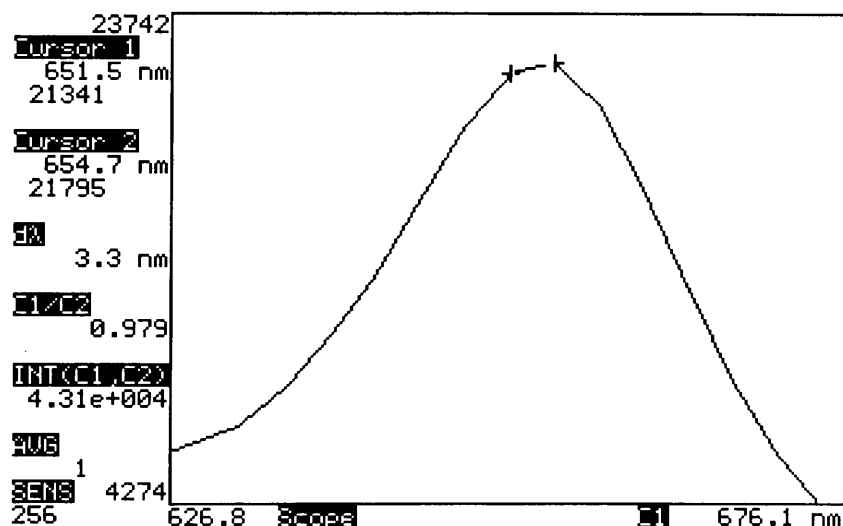
Spectrometer.	SPM 9001.	
Manufacturer of LED.	UDT.	
Part No.	"Sample B".	
	Actual.	Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm	656.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm	940 (?).
Emitter Configuration.	Common anode, 3 lead drive.	
Carried out by.	S Watmough	
Signed.	<i>S Watmough</i>	
Date.	16th Nov 99.	

Notes.

$$V_f(\text{red}) = 1.491 \text{ V.}$$

$$V_f(\text{ir}) = 1.199 \text{ V.}$$





Spectrometer.	SPM 9001.
Manufacturer of LED.	UDT.
Part No.	"Sample A".
	Actual. Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm 656.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm 940 (?).
Emitter Configuration.	Common anode, 3 lead drive.
Carried out by.	8 Watmough.
Signed.	<i>[Signature]</i>
Date.	16th Nov 99.

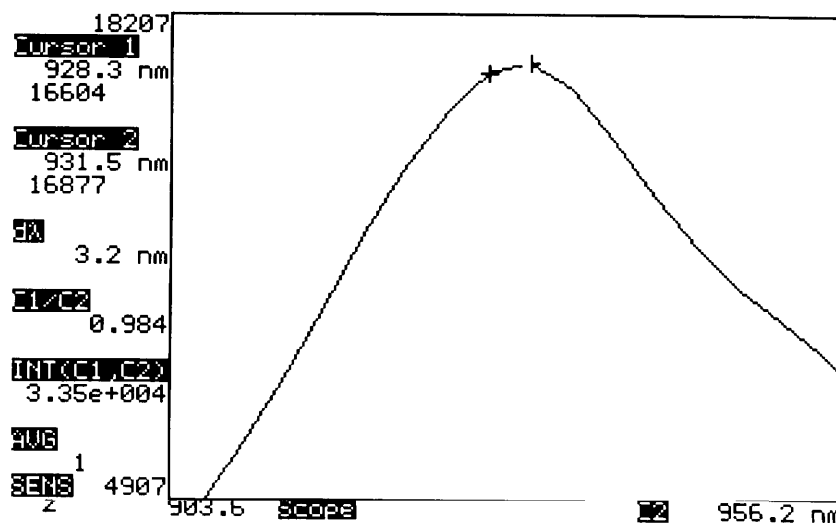
Notes.

$$V_f(\text{red}) = 1.500\text{V}.$$

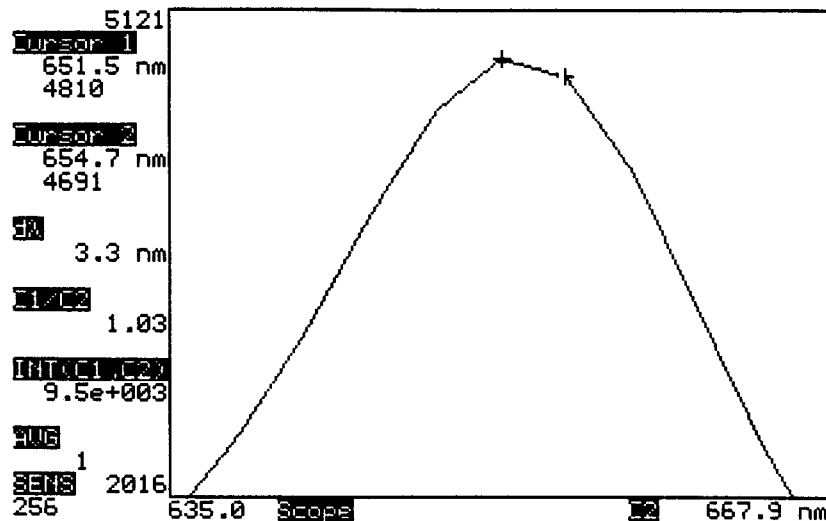
$$V_f(\text{IR}) = 1.199\text{V}.$$

Ta = 23° C

RED		LED-656/940csL3	
RED	Peak Wavelength @ 20 mA	656.7 nm	
	Radiant Power @ 20mA	2.7 mW	
	Forward voltage @ 20 mA	1.8 V	
	Reverse Voltage @ 10uA	> 5V	
	Peak Wavelength @ 20 mA	942.7	
	Radiant Power @ 20mA	2.4 mW	
IR	Forward voltage @ 20 mA	1.2 V	
	Reverse Voltage @ 10uA	> 5 V	



John



EMITTER	
IR	RED
Peak Wavelength @ 20 mA	655.2 nm
Radiant Power @ 20mA	3.1 mW
Forward voltage @ 20 mA	1.8 V
Reverse Voltage @ 10uA	> 5V
Peak Wavelength @ 20 mA	942.7 nm
Radiant Power @ 20mA	2 mW
Forward voltage @ 20 mA	1.2 V
Reverse Voltage @ 10uA	> 5 V

Ta = 23°C

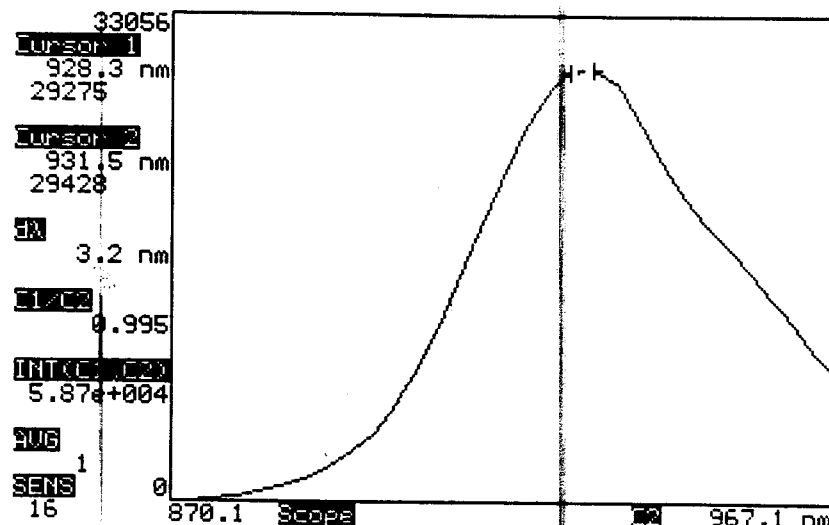
Spectrometer.	SPM 9001.
Manufacturer of Probe.	Viamed.
Type.	Finger.
Part No.	P867RA Prototype B.
Serial No.	9F22433.
Connector.	9 pin male, ohmeda type.
Connects to.	Monitor or extension cable.
For use on.	Ohmeda monitors.
Tested on.	Not as yet.
	Actual. Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm 660. 656nm.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm 930.
Emitter Configuration.	Common anode, 3 lead drive.
Carried out by.	S. Watmough.
Signed.	<i>S. Watmough</i>
Date.	16th Nov 99.

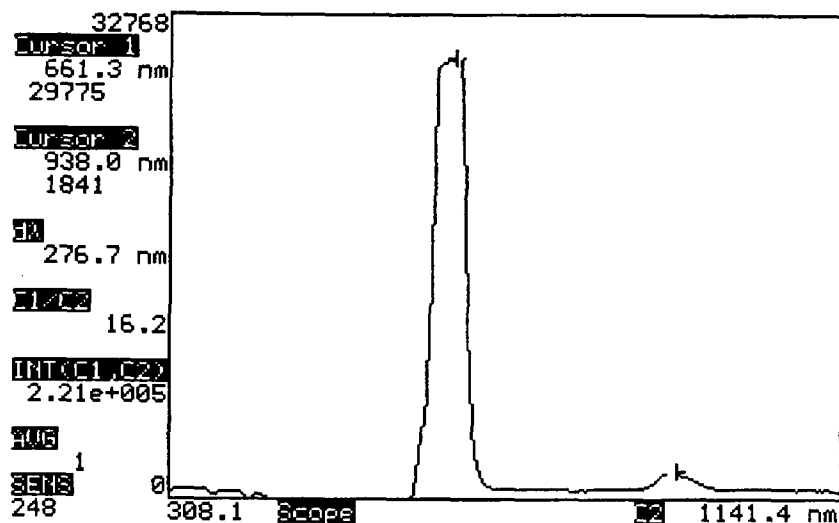
Notes.

FORWARD DIODE VOLT

RBO 1.497V

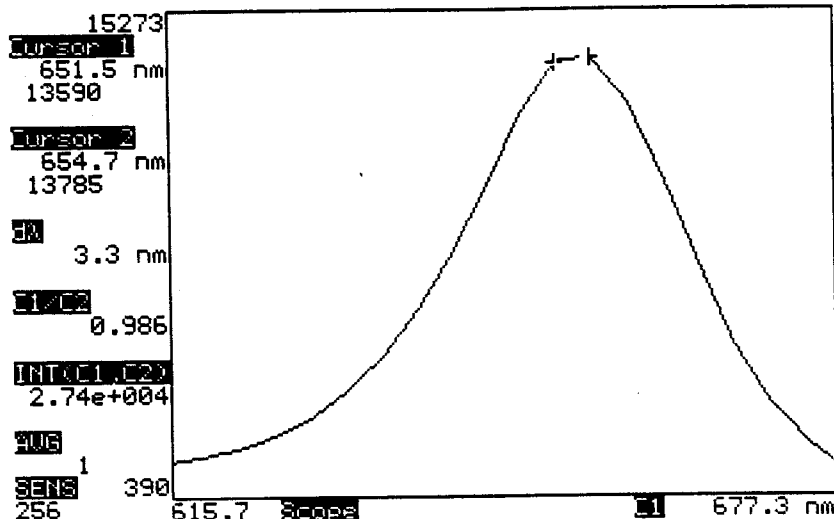
IR 1.194V





Spectrometer:	Prema SPM 9001
Manufacturer of probe:	UDT
Part number:	P867RA modified - connector replaced
Serial number:	
Cable length:	3 ft
Connector:	Compushield
Connects to:	Extension cable
For use on:	Sensormedics
Tested on:	Sensormedics Sat-Trak
Red peak wavelength:	661
Infra red peak wavelength:	*940
LED configuration:	3 lead

Tan



RED	
Peak Wavelength @ 20 mA	655.2 nm
Radiant Power @ 20mA	2.4 mW
Forward voltage @ 20 mA	1.8 V
Reverse Voltage @ 10uA	> 5V
Peak Wavelength @ 20 mA	942.7
Radiant Power @ 20mA	2.2 mW
Forward voltage @ 20 mA	1.2 V
Reverse Voltage @ 10uA	> 5 V

Ta = 23° C

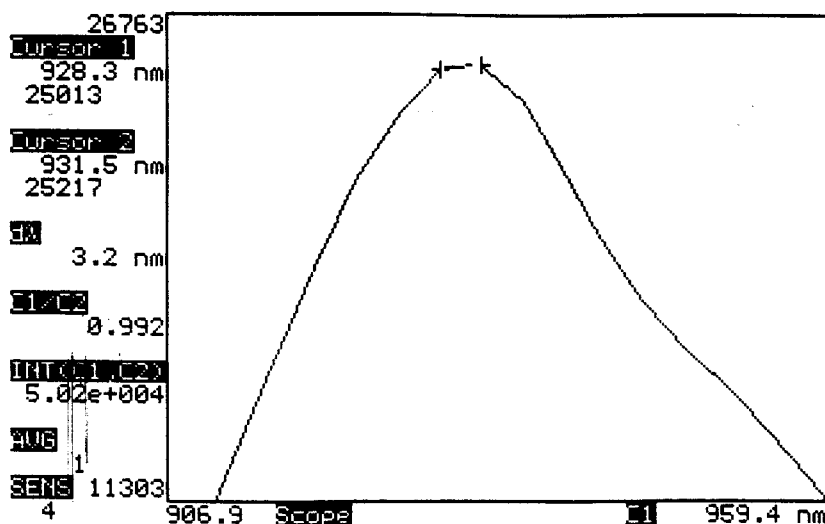
Spectrometer.	SPM 9001.
Manufacturer of Probe.	Viamed.
Type.	Finger.
Part No.	P867RA Prototype A.
Serial No.	9F22432.
Connector.	9 pin male. ohmeda type.
Connects to.	Monitor or extension cable.
For use on.	Ohmeda monitors.
Tested on.	Not as yet.
	Actual. Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm 660. 656nm.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm 930.
Emitter Configuration.	Common anode, 3 lead drive.
Carried out by.	S Watmough.
Signed.	<i>S Watmough</i>
Date.	16th Nov 99.

Notes.

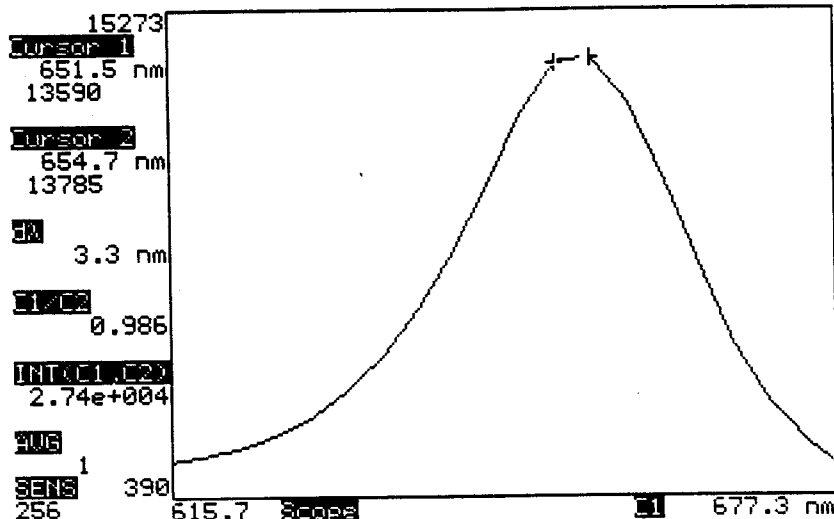
FORWARD DIODE VOLTAGE

RED 1.496V

IR 1.194V



Tan



RED	
Peak Wavelength @ 20 mA	655.2 nm
Radiant Power @ 20mA	2.4 mW
Forward voltage @ 20 mA	1.8 V
Reverse Voltage @ 10uA	> 5V
Peak Wavelength @ 20 mA	942.7
Radiant Power @ 20mA	2.2 mW
Forward voltage @ 20 mA	1.2 V
Reverse Voltage @ 10uA	> 5 V

Ta = 23° C

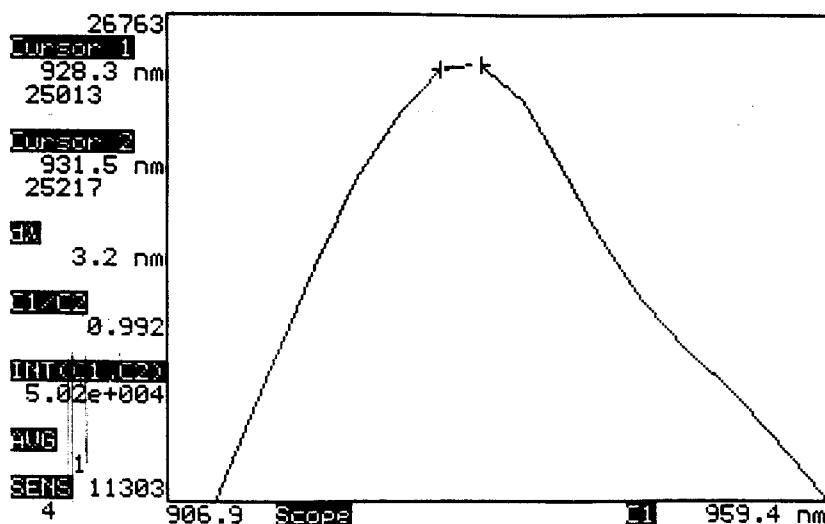
Spectrometer.	SPM 9001.
Manufacturer of Probe.	Viamed.
Type.	Finger.
Part No.	P867RA Prototype A.
Serial No.	9F22432.
Connector.	9 pin male. ohmeda type.
Connects to.	Monitor or extension cable.
For use on.	Ohmeda monitors.
Tested on.	Not as yet.
	Actual. Spec.
Red Peak wavelength (nm).	651.5 - 654.7nm 660. 656nm.
Infrared Peak Wavelength (nm).	928.3 - 931.5nm 930.
Emitter Configuration.	Common anode, 3 lead drive.
Carried out by.	S Watmough.
Signed.	<i>S Watmough</i>
Date.	16th Nov 99.

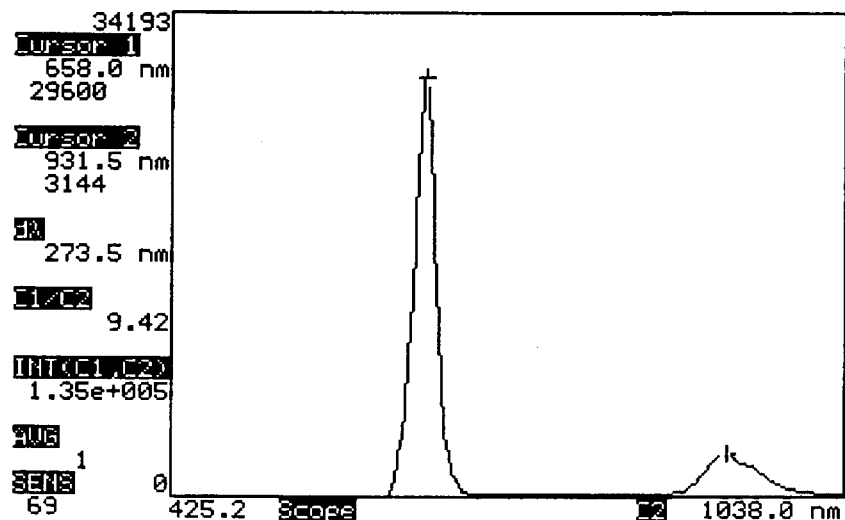
Notes.

FORWARD DIODE VOLTAGE

RED 1.496V

IR 1.194V





Spectrometer: Prema SPM 9001

Manufacturer of probe: UDT
Part number: P867RA
Serial number: 8D06303
Cable length: 12 ft
Connector: Hypertronics
Connects to: Interface/extension cable

For use on: Sensormedics
Tested on: Sensormedics Sat-Trak

Red peak wavelength: 661 nm
Infra red peak wavelength: 940 nm

LED configuration: 3 lead