LIBRA MEDICAL

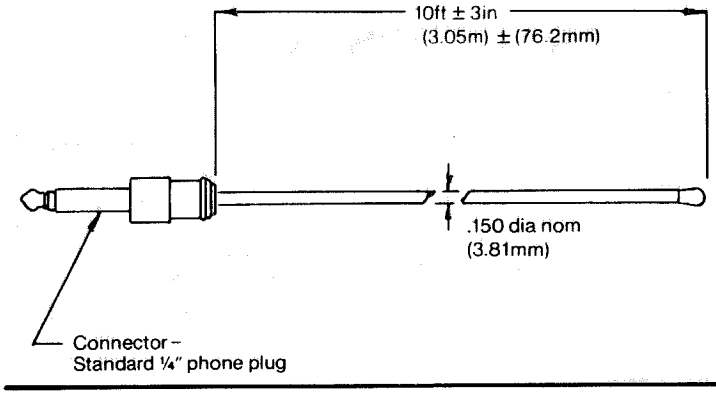
CLINICAL TEMPERATURE PROBES

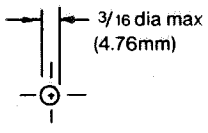
The technology of Fenwal Electronics is now available in a range of clinical temperature probes, designed for new applications and as a replacement for the existing market and applications.

This data sheet details probes for the most common application, other types for specific applications are available on request.

PROBE SPECIFICATIONS AND APPLICATION AREAS

Part No. 37104

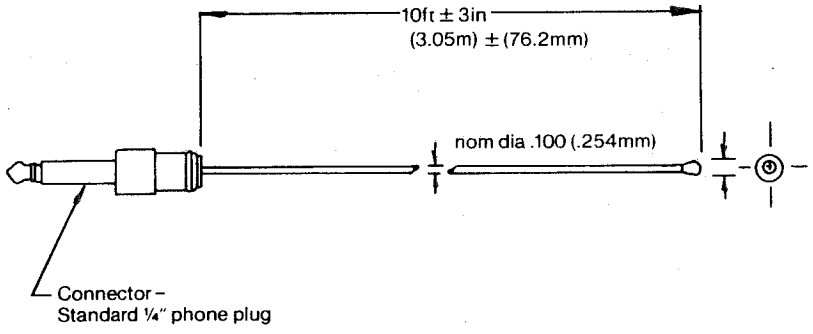




Applications

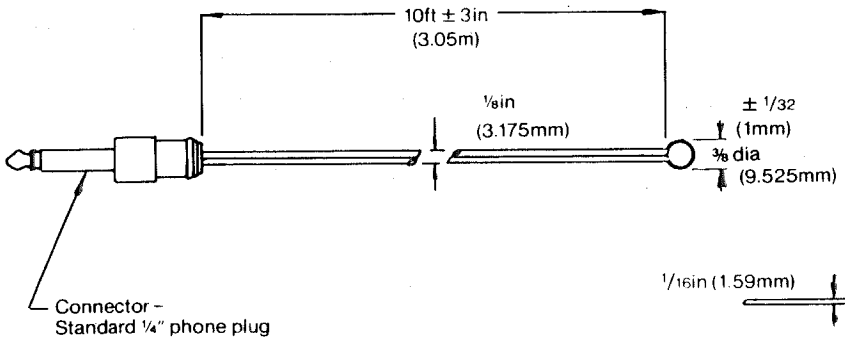
General purpose
Rectal/Esophageal
adult/larger children
liquid temperatures
veterinary applications

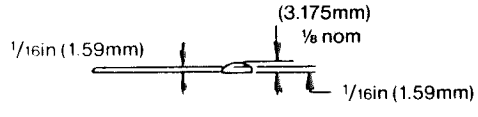
Part No. 37204



General purpose
Rectal/Esophageal for
small children, neo-nates,
veterinary and
pharmacology applications

Part No. 37904





General purpose surface probe. May be used for adult, paediatric, veterinary and pharmacology applications.
Note: A special neo-natal lightweight version is available under Part No. 37804

Full technical specifications on reverse side

CONSTRUCTION

This range of temperature probes is based upon a Fenwal electronics interchangeable curve-matched thermistor. Each probe is mounted on a vinyl cased cable, designed to be immersion resistant under normal conditions. The probe is terminated in a standard 0.25 inch diameter jack-plug which is moulded or encapsulated onto the cable.

CLEANING AND STERILIZATION

After use the probe should be cleaned with warm (not hot) water and wiped clean and dry.

The probe should be allowed to cool prior to sterilization, which can be achieved by use of one of the medically approved sterilization fluids, under medical supervision.

Ethylene Oxide may also be used in accordance with standard safety recommendations. Under no circumstances should the probes be boiled or autoclaved.

RESISTANCE/TEMPERATURE CHARACTERISTICS

Temp (°C)	Res (Ohms)	Temp (°C)	Res (Ohms)	Temp (°C)	Res (Ohms)	Temp, (°C)	Res (Ohms)	Temp (°C)	Res (Ohms)	Temp (°C)	Res (Ohms)
9	4702.4	16	3377.5	23	2459.6	30	1814.4	37	1354.7	44	1023.1
10	4481.3	17	3225.3	24	2353.3	31	1738.9	38	1300.6	45	983.76
11	4272.0	18	3080.7	25	2252.0	32	1667.1	39	1248.9	46	946.13
12	4073.6	19	2943.6	26	2155.7	33	1598.5	40	1199.5	47	910.15
13	3885.6	20	2813.2	27	2064.0	34	1533.2	41	1152.3	48	875.74
14	3707.2	21	2689.3	28	1976.7	35	1470.9	42	1107.3	49	842.77
15	3538.1	22	2571.6	29	1893.5	36	1411.4	43	1064.3	50	811.24

Note: Above figures are nominal. Accuracy is ± 0.2°C over the range 0°C to + 70°C

TIME CONSTANT

The time required for a thermistor probe to change by 63.2% of the difference between its initial and final body temperature when submitted to a step function change under zero power conditions.

This period will vary from 2-20 seconds typically dependent on probe type and application.

WARRANTY

This range of temperature probes is guaranteed against defects in material and manufacture for a period of 90 days from date of purchase. No other warranty is expressed or implied.

138 OVERDOWN ROAD, TILEHURST, READING, BERKS RG3 6NJ
TELEPHONE: (0734) 25235