

# DIGITAL TELETHERMOMETER (Multichannel-PC Based, Pharmacopoeia Protocol)

*For measuring the temperature of laboratory animals*



# DIGITAL TELETHERMOMETER

(Multichannel-PC Based, Pharmacopoeia Protocol)

- Digital Tele-Thermometer is ideal for continuous monitoring of temperature in laboratory animals for study and research in anesthesia, cardiac surgery, hyperthermia & pyrogen testing.

## Features:

- Facility to create different Pharmacopoeia protocols like **USP, EP, JP, KP and IP.**
- Facility to set Preliminary test and Main test protocols as per different Pharmacopoeias
- Fast response time, Highly accurate and reliable results
- Choice of 1 to 16 Channels (as per models)
- Password protected software and admin features
- Two Operating Modes: Normal Mode & Pharmacopoeia Mode,
- Normal Mode: Auto or manual options, Provision to add experiment name, Animal Type, Animal sex, No. of channel, Animal number, No. of Readings, Reading time.
- Pharmacopoeia Mode: Provision to add experiment name, selection of Pharmacopoeia standard, Animal Type, Animal sex, No. of channel, Animal number, No. of Readings, Reading time.

## Features:

- Data can be exported to excel & Pdf file for further analysis
- Instrument calibration using external device & calibration report generation facility
- Group-wise or combined report in Pharmacopoeia mode and graphical presentation of data
- Limit of Variation provision: Alarms on crossing upper and lower set limits
- Sensor error option
- Each rabbit probe is supplied with **specially designed Silicon ring for tying sensor with the rabbit tail**



## Normal Mode:

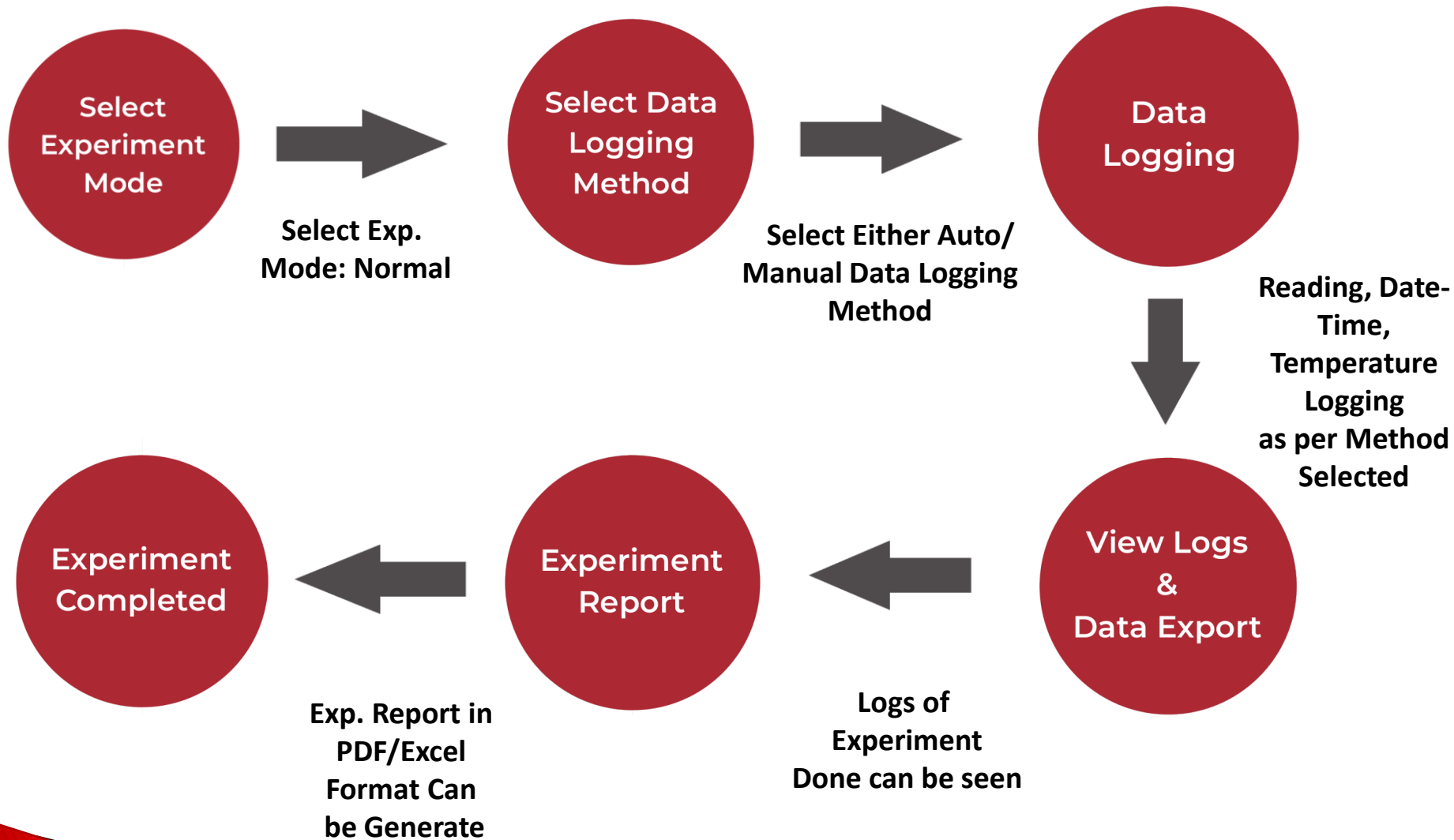
**Following are the two different operating methods in Normal mode**

- a. Manual Data Logging
- b. Auto Data Logging

**a. Manual Data Logging Method:** In this method, on pressing the Take reading key software will log & display the temperature data for all channel number at the same time.

**b. Automatic Data Logging Method:** In this method the data will logged for each selected channels at the pre-defined read time interval.

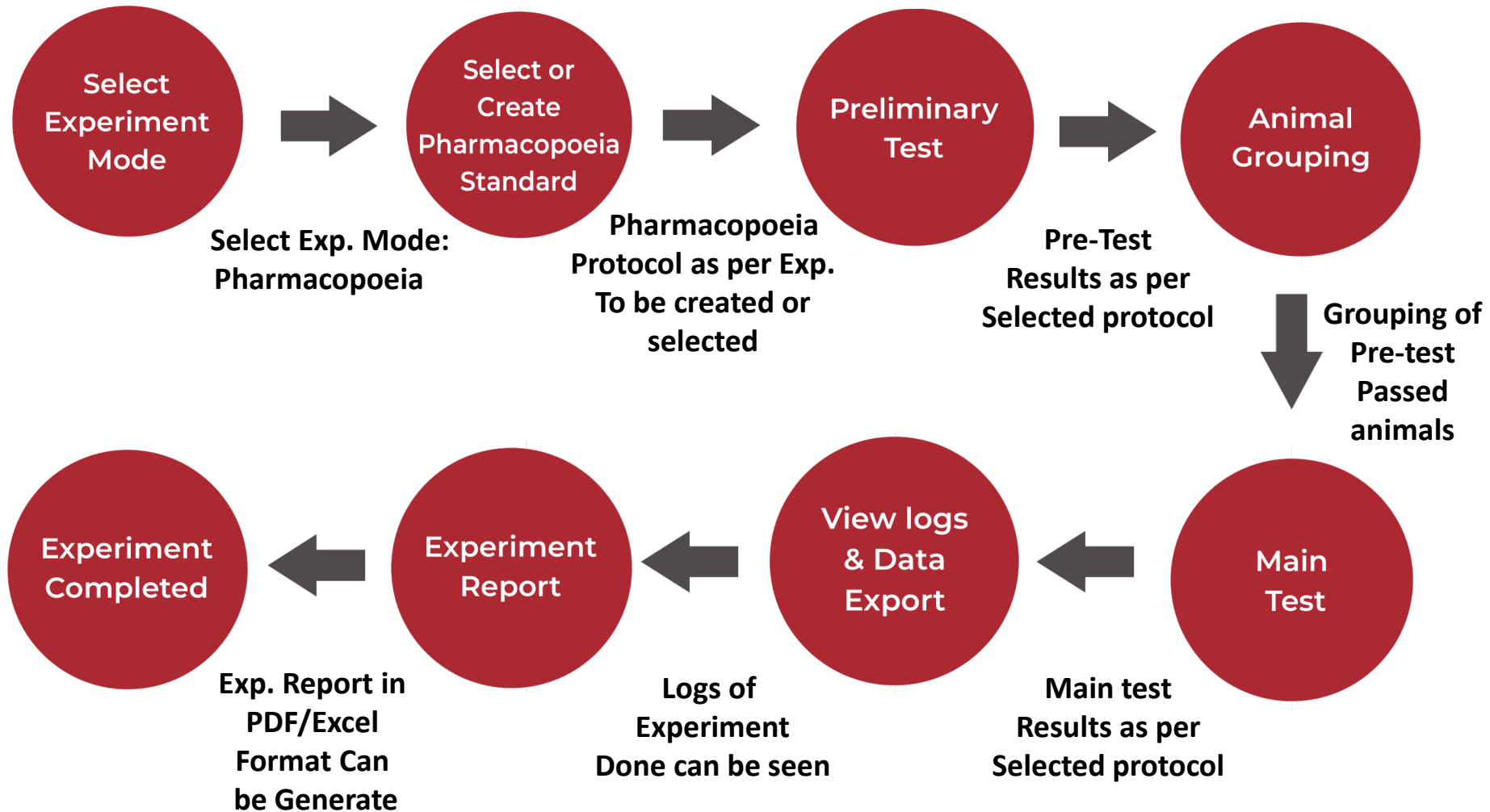
# Normal Mode Operating Process flowchart:



## Pharmacopoeia Mode :

- Facility to create different Pharmacopoeia protocols like **USP, EP, JP, KP and IP.**
- There is facility to set Preliminary test and Main test protocols as per different Pharmacopoeias
- Provision to add experiment name, selection of Pharmacopoeia standard, Animal Type, Animal sex, No. of channel, Animal number, No. of Readings, Reading time.
- There are three basic steps in pharmacopeia mode
  - Preliminary Test
  - Animal Grouping
  - Main Test

- **Pharmacopoeia Mode Operating Process flowchart:**



## System Specifications & Models:

| Model       | No. of Channels | Temperature Measuring Range | Temperature Resolution | Temperature Accuracy |
|-------------|-----------------|-----------------------------|------------------------|----------------------|
| TERM-8Plus  | 8               | 0°C to 60°C                 | 0.01°C                 | ±0.1°C               |
| TERM-16Plus | 16              | 0°C to 60°C                 | 0.01°C                 | ±0.1°C               |

| Optional                     | Tip Diameter | Cord Length | Connector Type       |
|------------------------------|--------------|-------------|----------------------|
| Temperature Probe For Rat    | 3mm          | 2.5 meter   | 6.3mm Jack Connector |
| Temperature Probe For Rabbit | 4mm          | 2.5 meter   | 6.3mm Jack Connector |



## Ordering Information:

| Model       | Certification   | Power Requirements  | Accessories Supplied  | Optional                                 |
|-------------|-----------------|---|---|--|
| TERM-8Plus  | CE<br>Complaint | 220/230V AC,<br>50/60Hz<br>or<br>110/120V AC,<br>50/60Hz* | Control Unit,<br>IQ OQ Validation<br>Documents,<br>Supplied with<br>silicon Rings for<br>tying<br>Temperature<br>Probe with<br>animal tails | Temperature<br>probe for Rat<br>& Rabbit |
| TERM-16Plus |                 |   |   |  |

Note: Orchid's continuing product development makes specifications subject to change without prior notification.

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