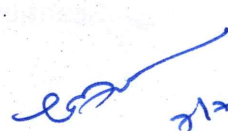


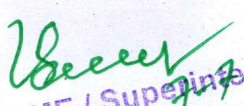
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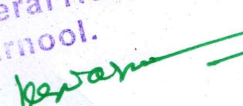
Technical Specifications for 24 Channel Single Connector -High Resolution Manometry system with pH Impedance & Hydrogen Breath Analyser

A) Manometry system (Esophageal & Anorectal)

1. Latest Technology 24 or More Channel Manometry system with complete standard set of standard software for analysis. Compatible Branded Indian Computer system with HD Monitor 24 Inches or more , Ink Tank Color Printer Mouse & UPS with original Windows / Software's
2. User Friendly software for Analysis and should be compliance with latest version of Chicago Classification for Esophageal Manometry. Anorectal software should compliance with London classification of Anorectal Manometry and Biofeedback s/w
3. 24 Channel or More – Single connector High Resolution Esophageal catheter – 2 Units
4. 24 Channel or More– Single connector High Resolution Anorectal catheter – 2 Units
5. The system should be on Movable trolley
6. The Water Perfusion based Manometry system should have key features like :
 - a Internal peristaltic pump for water infusion in capillaries. Possibility of Pressure adjustment / on-off from software while doing procedure
 - b Single connector to connect Perfusion Catheter to Manometry Perfusion unit – Thus saving time for disinfection / cleaning / connecting other catheters


21.11.24
Dr.G. Mohan Reddy, MD,DM.,
Professor & HOD of Gastroenterology
Govt. General Hospital, Kurnool.


Addl. DME / Superintendent
Govt. General Hospital,
Kurnool.


7.7.2026
Add. Director of Medical Education,
PRINCIPAL
Kurnool Medical College, Kurnool

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B) pH & Impedance System

1. Latest Technology pH Impedance system with complete standard set.
 2. Data Recording device with Pouch & standard software for pH & Impedance analysis
 3. Reusable pH Impedance Catheters – 5 Pcs
 4. pH Calibration Kit – 1 No.
- Both Products HRM system & pH Impedance has to be from same manufacturer.
 - Both Product Should be Either European CE / USFDA

3

c) Hydrogen Breath Analyser System

Hydrogen Breathe Analyzer with Std set of accessories Including Calibration kit to be quoted.

1. Range - 0-300 ppm or higher
 2. Resolution : 1 ppm or better
 3. Initialization time: 5 Seconds or less
 4. Accuracy : <5 % of signal or 2 ppm (whichever is the greater)
 5. Mouth Piece type : Single Unit disposable type
 6. Protocols : Preloaded with self timer
 7. Mouth Piece detector : Auto detector
 8. Display : 2.5" color Capacitive glass touch with Color Amolded Panel
 9. Shell : Polycarbonate/ABS, Elastomeric coating
 10. Storage temperature: 5 to 20 °C
 11. Operating temp : 10 to 40 °C
 12. Power source : Standard AA-size batteries
 13. Sensor type : Electrochemical Sensor or better
 14. Response time : <40 seconds
- Product Should be Either European CE / USFDA
 - 50 Pcs of Mouth Pieces

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TECHNICAL SPECIFICATIONS OF ESOPHAGEAL MANOMETRY SYSTEM
EQUIPMENT

REQUIRED TO DEPT. OF DEPT. OF GASTROENTEROLOGY, KURNOOL MEDICAL
COLLEGE, KURNOOL,

>><<<

The Esophageal Manometry system equipment shall have the following specifications, (Technical Specifications for 24 Channel Single Connector - High Resolution Manometry system with pH Impedance & Hydrogen Breath Analyser)

A) Manometry system (Esophageal & Anorectal)

1. Latest Technology 24 or More Channel Manometry system with complete standard set of standard software for analysis . Compatible Branded Indian Computer system with HD Monitor 24 Inches or more, Ink Tank Color Printer Mouse & UPS with original Windows / Software's .
2. User Friendly software for Analysis and should be compliance with latest version of Chicago Classification for Esophageal Manometry . Anorectal software should compliance with London classification of Anorectal Manometry and Biofeedback s/w .
3. 24 Channel or More – Single connector High Resolution Esophageal catheter – 2 Units .
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5. The system should be on Movable trolley .
6. The Water Perfusion based Manometry system should have key features like:
 - o **a** Internal peristaltic pump for water infusion in capillaries . Possibility of Pressure adjustment / on-off from software while doing procedure .
 - o **b** Single connector to connect Perfusion Catheter to Manometry Perfusion unit - Thus saving time for disinfection / cleaning / connecting other catheters .

B) pH & Impedance System

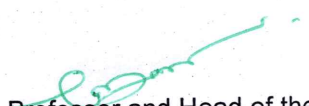
1. Latest Technology pH Impedance system with complete standard set .
2. Data Recording device with Pouch & standard software for pH & Impedance analysis .
3. Reusable pH Impedance Catheters - 5 Pcs .
4. pH Calibration Kit - 1 No.
- **Both Products HRM system & pH Impedance has to be from same manufacturer.**
- **Both Product Should be Either European CE / USFDA**

c) Hydrogen Breath Analyser System

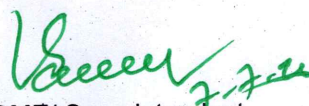
Hydrogen Breath Analyzer with Std set of accessories Including Calibration kit to be quoted .

1. **Range:** 0-300 ppm or higher
2. **Resolution:** 1 ppm or better
3. **Initialization time:** 5 Seconds or less
4. **Accuracy:** < 5% of signal or 2 ppm (whichever is the greater)

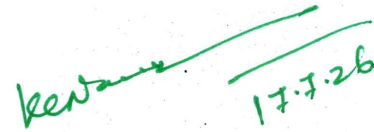
5. **Mouth Piece type:** Single Unit disposable type
6. **Protocols:** Preloaded with self timer
7. **Mouth Piece detector:** Auto detector
8. **Display:** 2.5" color Capacitive glass touch with Color Amoled Panel
9. **Shell:** Polycarbonate/ABS, Elastomeric coating
10. **Storage temperature:** 5 to 20 °C
11. **Operating temp:** 10 to 40 °C
12. **Power source:** Standard AA-size batteries
13. **Sensor type:** Electrochemical Sensor or better
14. **Response time:** < 40 seconds
- **Product Should be Either European CE / USFDA**
- **50 Pcs of Mouth Pieces**


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