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Surgeon Control Panel

MODEL TSCP-VX



Operation Theatre Touch Screen Control Panel

With the touch sensitive monitor, which can be operated directly by the touch of a finger, operating and monitoring of OT parameters like temperature, humidity is now very simpler. The graphical User interface is capable of displaying and controlling all kinds of complex OT parameters. The end result is an overall system that is both modular and flexible, enabling it to be adapted or expanded, or to accommodate new technologies.

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ADVANTAGES

- Future proof - additional alarms, interfaces and controls can be added by simply modifying the software within the panel e.g. there is no need to cut a hole in the panel fascia to add a new button or indicator.
- The screen's smooth surface makes it easy to clean and it is designed to withstand the aggressive cleaning agents commonly used in operating theatres.
- Additionally, the touch screen's innovative ergonomics are particularly well suited to medical staff needs. All the essential data for supervising the operational status of the theatre can be viewed on a single display.

FEATURES

- Date Time - Real time clock
- Operation timing - Elapsed time
- Anesthesia timer – Count Down time
- Peripheral Light control with dimmer
- OT Light On/Off
- HVAC On/Off
- Temperature with set point
- Humidity with set point
- Medical Gas Alarm for 5 Gases and 1 Vacuum
- HEPA filter Status Indicator
- Hands Free Telephone
- Differential Pressure
- Music Player
- Audio Alarm
- USB Stick Port, Plug and Play
- Company Logo at Power On
- Company Logo Embossing on front panel



TECHNICAL DATA



POWER SUPPLY

Supply voltage	AC 100-240V,50/60 Hz
Power consumption	100 watts

TOUCH DISPLAY LED

Screen Size	22inches
Resolution	1920x1080 Pixel HD
Brightness	450 cd/m2 min.
Contrast	1000:1
Viewing angle	Horizontal/Vertical:178deg
Number of colors	16.2 Million
Response time	25 ms

SOFTWARE SPECIFICATIONS

Booting Time	30 – 35 Seconds
Operating System	Windows
Software Version	VX 3.0

DIMENSIONS

Wall insert box cut out	615 x 425 x 130 mm (MS Powder Coated)
Front Frame Panel	665 x 475 mm (SS 304 Grade)
Panel Weight	15 Kg
Packed Box Size	680 x 500 x 195 mm
Packed Box Weight	17 Kg

EMBEDDED PC DURATHON TECHNOLOGY

CPU	Intel Celeron 2.4 Ghz
RAM	2 GB
Storage	60 GB SSD
Interfaces	4xUSB, 2xSerial, 1xLan
Graphic	VGA, HDMI

PLC SPECIFICATIONS

1. Power Supply

12V Dc 5 Amps

2. Interface

Usb 2.0 , Serial RS232

3. ANALOG INPUTS (4 CHANNEL)

Mox. input voltage	12V DC Signal
voltage0	10 V
Internal resistance	100 kH
Resolution	12 bit
Response time	500 ms

4. ANALOG OUTPUTS (6 CHANNEL)

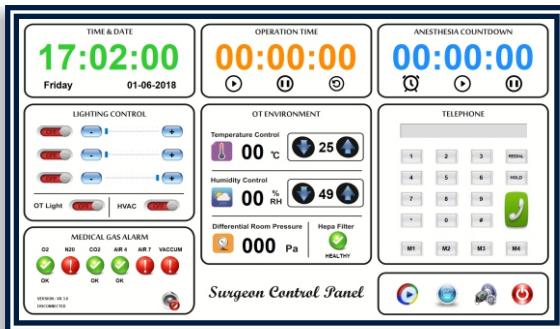
Mox. output voltage	10 V
Output voltage	1-10 V
Load	500ma
Resolution	12 bit
Response	500 ms

5. DIGITAL INPUTS (16 CHANNEL)

Signal voltage	DC 12V
Input current	2.8 mA
Electrical isolation	500 V system to supply

6. DIGITAL OUTPUTS (8 CHANNEL)

Load	Ohmic, Inductive, Lamp Load
Output current	max. 5/10 A
Short circuit proof	5 Amps Fuse
Electrical isolation	500 V system to supply



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