



SSYKU TECH

SURGEON CONTROL PANEL



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www.ssykutech.in



PRODUCT DESCRIPTION

With the touch sensitive monitor, which can be operated directly by the touch of a finger, Operating & monitoring of OT Control Panel to monitor medical gas pressures, temperature, humidity, room pressure, Differential pressure, Hepa Filter; to control operating lights, illumination, day and clock, heat, humidity, in the operation room

FEATURES



- ❖ Date & Time - Real time clock
- ❖ Operation timing - Elapsed time
- ❖ Anesthesia timer – Count Down time
- ❖ Temperature with set point
- ❖ RH with set point
- ❖ HEPA Filter Status Indicator
- ❖ Visual Alarm
- ❖ Hands Free Telephone
- ❖ Medical Gas Alarm for 6 Gases,1 Vacuum and AGSS
- ❖ 6- Light Control
- ❖ Differential Pressure
- ❖ OT Pressure
- ❖ Music Player
- ❖ Dicom Image Viewer(Optional)
- ❖ Save and Export- Surgery details(Optional)
- ❖ Display operation theater Location name
- ❖ USB stick Port
- ❖ Lock and Unlock option

TECHNICAL DATA

DISPLAY SPECIFICATION

Max Resolution:1920*1080; Brightness:300cd/m2; Contrast Ratio:3000:1
Response Time:5ms; Pixel Pitch:0.4845(H)*0.4845 (V)
Panel Size:21.5 Inch; Type :TFT
Input Voltage: DC12V
Color:16.7M; Viewing Angle:178 /178
CPU: RK3188 ; RAM:2GB ;ROM:8GB
OS: Android 4.4/5.1
TOUCH SCREEN: CAPACITIVE TYPE

DIGITAL PRESSURE SENSOR

Pressure range 300 ... 1100 hPa (equiv. to +9000...-500 m above/below sea level)
Relative accuracy ± 0.12 hPa, equiv. to ± 1 m (950 ... 1050hPa @25°C)
Absolute accuracy typ. ± 1 hPa (950 ... 1050 hPa, 0 ... +40 °C)
Temperature coefficient offset 1.5 Pa/K, equiv. to 12.6 cm/K (25 ... 40°C @900hPa)
Current consumption 2.7 μ A @ 1 Hz sampling rate; Temperature range -40 ... +85 °C
RoHS compliant, halogen-free

Switch Control

SSR (Electronic Switch Light-1, Light-2, Light-3, Light-4)

Operating Voltage-230V; Max Load-250W (Resistive Type)
Minimal Load-25W; Operating Type-Soft Switch

CONTROL RELAY

Coil Voltage-12V,40 mA ; Contact Type-SPST ;Contact Continuous Current-30A
Contact Continuous Voltage-230V; Arcing Protection-MOV

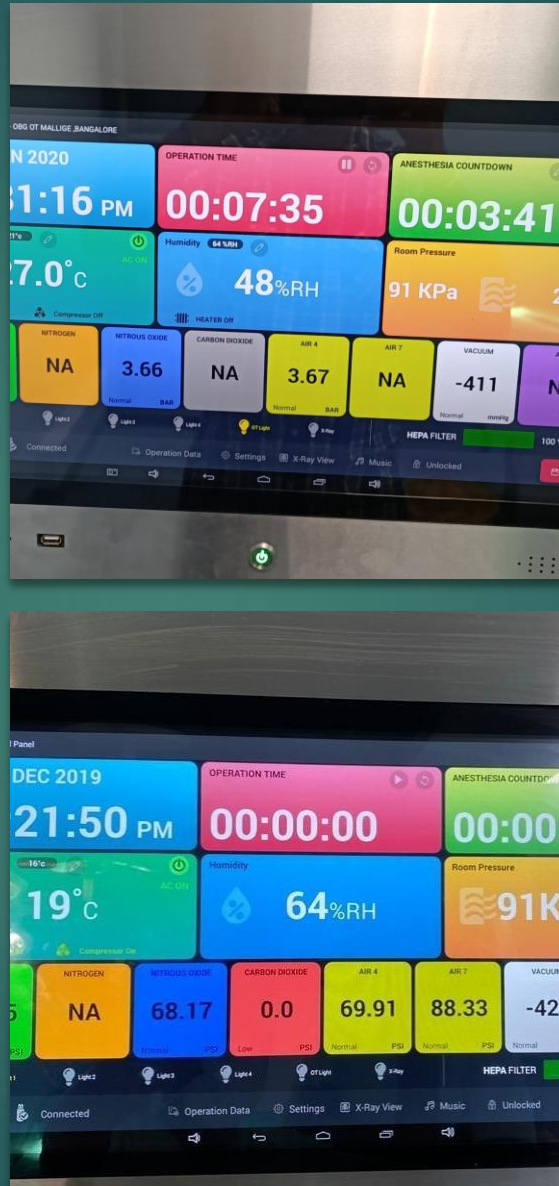
Processor and Operating System

Arm Cortex M3 32 Bit ;
Operating Frequency 72 Mhz
Operating Voltage 3.3v

RTOS VER SL-02

Electrical Input and Output

Meet UL, CE requirements,
All voltage input (AC: 90 ~ 264V)
Low ripple and low noise; Output overload and short circuit protection
High efficiency, high power density
The product is designed to meet the requirements of EMC and Safety Test
Low power consumption, environmental protection, no-load loss <0.1W
Operation Temperature: -20—+60°C ; Store Temperature: -40—+80°C
Relative humidity: 5—95% ; Rated input voltage: 100-240VAc
Maximum input current: <0.2A ; Input current surge: <10A
Maximum input voltage: 270VAc
Input Low Voltage Efficiency: Vin=110VAc, Output full-load: 69%
Input High Voltage Efficiency: Vin=220VAc, output full-load: 70%
Long-term reliability: MTBF 100000h ;Load rated output voltage: +5 \pm 0.1
Short-term maximum output current: 1000mA
The maximum output current for a long time: 1000mA
Output ripple and noise: 50 mVpp Rated input voltage, full load. Using 20MHz of bandwidth, the load side with 10uF and 0.1uF capacitor
Shell maximum surface temperature does not exceed 60°C



Images at the installed Sites



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