

TOPRX SPECIFICATIONS

Functional	General model	TOPRX 1500XD	TOPRX 1200XD	TOPRX 1200SD	TOPRX 1000SD	TOPRX 1000VD	TOPRX 0800SD	TOPRX 0800VD	TOPRX 0500VD	
	Explosion proof model	TOPRX 1500XD-Ex	TOPRX 1200XD-Ex	TOPRX 1200SD-Ex	TOPRX 1000SD-Ex	TOPRX 1000VD-Ex				
Display	Display Type	15" TFT Color	12.1" TFT Color	12.1" TFT Color	10.4" TFT Color	10.4" TFT Color	8.4" TFT Color	8.4" TFT Color	5.6" TFT Color	
	Color	16M Colors								
	Display Area(mm)	304.1x228.1	246x184.5	246x184.5	211.2x158.4	211.2x158.4	170.4x127.8	170.9x128.2	112.9x84.7	
	Resolution(dot)	1024x768	1024x768	800x600	800x600	640x480	800x600	640x480	640x480	
	Brightness Level	10 Levels(by software)								
Touch	Backlight Type	LED								
	Backlight Life	50,000 hours								
	Touch Type	Analog resistive film								
Touch	Resolution(cell)	1024x768	1024x768	800x600	800x600	640x480	800x600	640x480	640x480	
	Touch Life	1 million times or more								
Interface	Serial COM1	RS-232C, RS-422/485 Asynchronous +5Vdc PWR Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: DSUB 9pin x 1								
	Serial COM2	RS-232C, RS-422/485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: DSUB 9pin x 1								
Interface	Serial COM3	RS-485 Asynchronous Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even Baud rate: 2400~115.2kbps Connector: 3.5mm 3pin x 1						Not available		
	Ethernet	IEEE802.3/IEEE802.3u, 10BASE-T/100BASE-TX Connector: RJ-45 x 2						IEEE802.3/IEEE802.3u, 10BASE-T/100BASE-TX Connector: RJ-45 x 1		
USB Host	USB Host	USB 2.0 Compatible, Output 5Vdc/0.5A Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol) Connector: USB Type A x 1								
	USB OTG	USB 2.0 Compatible, Output 5Vdc/0.5A, Max 3m Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol) Connector: USB Mini-B(Front) x 1								
Memory & Others	SD Card	SD Card Slot x 1, SDHC(MAX 32GB)								
	Printer	Roll Printer(EPSON protocol): RS-232C								
	Screen Memory	128MB								
	Backup Memory	512KB: System buffer(10K Word), Including Alarm/Logging/Recipe								
	Backup Period	Permanent								
Power	Real Time Clock	Built in								
	Status LED	3 LEDs(Power, Operation, Link) Built in								
	Input Voltage	24Vdc(20~28Vdc)								
	Power Consumption	18W or less	15W or less					12W or less		
	Voltage Sag	24Vdc, Within 10ms								
Environment	Insulation Resistance	500Vdc, 10MΩ								
	Operation Temperature(°C)	-10 ~ +50								
	Storage Temperature(°C)	-20 ~ +60								
	Operation Humidity(%RH)	0 ~ 90(No dew)								
	Atmosphere	No corrosive gas								
	Vibration Endurance	Amplitude: 10sF<25Hz(2G) X,Y,Z each direction(for 30 minutes)								
	Noise Immunity	1000Vp-p(Pulse width 1μs)								
	Static Electricity Discharge	Connective discharge from EN61000-4-2: ±4W								
	Shock Endurance	10G X,Y,Z each direction(for 3 times)								
	Ground Connection	Class 3(100Ω under)								
Structure	Protection Classification	General model: IP65(Front), Explosion proof model: IP54(Front) for CCC, IP4X(Front) for KCs								
	Certification	General model: CE, KC, UL Explosion proof model: CE, KC, UL, KCs, CCC, ATEX, IECEx, Hazloc								
	Panel Cut(mm)	355x286	306x247	306x247	260x202	260x202	222x168	222x168	158x126	
	External Dimension(mm)	369x300x67.2	320x261x64.7	320x261x64.7	274x216x64.7	274x216x64.7	236x182x58.9	236x182x58.9	172x140x58	
	Weight(kg)	2.78	2.18	2.18	1.68	1.68	1.06	1.06	0.62	
Structure	Cooling System	Natural air circulation								
	Case Material	PC(Resistance to flame)								

DRAWING

