VAS CORPORATION

ETHERCAT ROBOT PLATFORM

XRP-1000

FEATURES

Cabinet Controller

- Compact design resulting in reduced space requirements..
- EtherCAT network for high speed and synchronization.
- High path accuracy enables increased precision in trajectory performance independently of motion speed.
- Reliable.
- Integrated safety function.
- Easy commissioning through one phase power input.

Teach Pendant

- Support many robot types: SCARA, Linear Delta, Delta, Cartesian, Articulated and Custom Robot in the same GUI.
- Easy-to-use 10-inch touch screen interface.
- Simplified BASIC programming supports powerful controller functionality.
- USB connection allows upgrade software and transfer robot program easily.

SPECIFICATIONS

HARDWARE SPECIFICATIONS

Cabinet Controller	
Model	XRP-1000
Supply Voltage	Single phase 220/230VAC, 50-60Hz
Cooling System	Direct cooling
Ambient Temperature	0 to 40°C (operation); -10 to 60°C (storage)
Control Axes	4
Position Feedback	Absolute encoder
Digital I/O	16 user inputs (NPN) / 16 user outputs
Encoder Counter	2 channels x 32-bit, incremental encoder
Program Memory	Robot Program: 200,000 steps; 10,000 instructions
Expansion Slot	2 x Drive Slave (external axis), 2 x Digital I/O Slave
LAN	1 x EtherNet (100 BASE-TX)
Safety Specifications	Cabinet: emergency stop button Teach Pendant: emergency stop button
Software Features	Controller Lock, Emergency Stop button

Teach Pendant	
Display Type	10" IPS TFT LCD (LED backlight)
Resolution	1024 x 600
Touch Type	Capacitive
Controller	USB Interface
Switch	Emergency Stop x 1
Dimension	300mm (W) x 240mm (H) x 60mm (D)
Weight	1.000 g (Max.without cable)

SOFTWARE SPECIFICATIONS

Programming	
Programming Language	BASIC
Robot Motion Control	Joint motion, linear, circular
Application Instructions	General purpose, conveyor tracking
I/O Instructions	Discrete I/O, analog input, analog output

VAS CORPORATION

A leading manufacturer of Robot and Motion Control System technologies

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