MTA SKILLLAB SDN. BHD.

AIoT Training System

Model: FA-AIOT-1003

- **Motor Monitoring & Analysis**



PLC – Sensor – SCADA – IIoT – Digital Dashboard – Analysis

Overview

The AI Motor Condition Monitoring & analysis training equipment designed using standard industrial parts. Comprehensive vocational training and educational products based on experience and skill. Toward Industrial 4.0 the demand for high quality, greater efficiency and automated machines has increase in the industrial sector of manufacturing plants. Manufacturing plants require continuous monitoring equipment performance, availability and quality. Hence, SCADA and IoT is a vital tool in this process monitoring

Learning Outcome

- Explain Internet of Things in Industrial Revolution 4.0
- Configure the device for IoT project
- Develop IoT Project at cloud platform
- Develop variety panel in dashboard
- Configure alarm and notification at the IoT system
- Explain the benefits of operation efficiency
- Intelligence Motor Analysis

Technical Specification

Workstation

- Coated finished metal IIoT structure
- Dimension 850x600x1100mm
- 32" Dashboard Monitor
- Aluminum Profile working panel
- Electrical Control Module
- IIoT architecture training signboard

Electrical Control Panel

- Start/Stop/Reset/Auto/Man Button
- Siemens PLC 1200 series
- Siemens 7" HMI Screen
- 24DC Power Supply 10A
- ECU Industrial Gateway
- LoRaWAN Wireless Condition Monitoring
- Network switch 8 ports
- Industrial PC
- MCB/fuse
- Single Phase AC230V

Sensor Device

- Temperature Humidity Sensor
- Wise Vibration Sensor
- Torque Sensor
- Smart Energy Metering

Brand : SKILLLAB
Made in Malaysia

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Courseware

- Training module consists of :
- Introduction to Industrial IoT
- Industrial Networking Protocol
- IoT Project creation
- IoT Dashboard
- Motor Condition Analysis
- Lab/Experiments Manual

Training

- 2 days Fundamental PLC Programming Training
- 1 days Induction Motor Drive Training
- 1 day Industrial Networking Training
- 3 days Motor Condition Dashboard and Analysis Training

Warranty

- 12 months product warranty against manufacturing defect only

Maintenance

- Locally support available (Penang/KL/JB)
- Twice a year maintenance support during warranty period

Technical Specification

Application

- 3Phase 0.37KW Induction Motor
- Motor Base unit
- Drive coupling set
- 0.75KW Inverter Motor Starter
- Motor Brake unit

Software

- WebAccess SCADA Software
- TIA Portal Programming Software

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