

METROLOGY KIT



WISE 5231

Serial to
Analog
Converter

TPD 430 H-EU
, HMI

P&F
Ultrasonic
Distance
Sensor
UB500-18G
M75

Mitutoyo Dial
Gauge

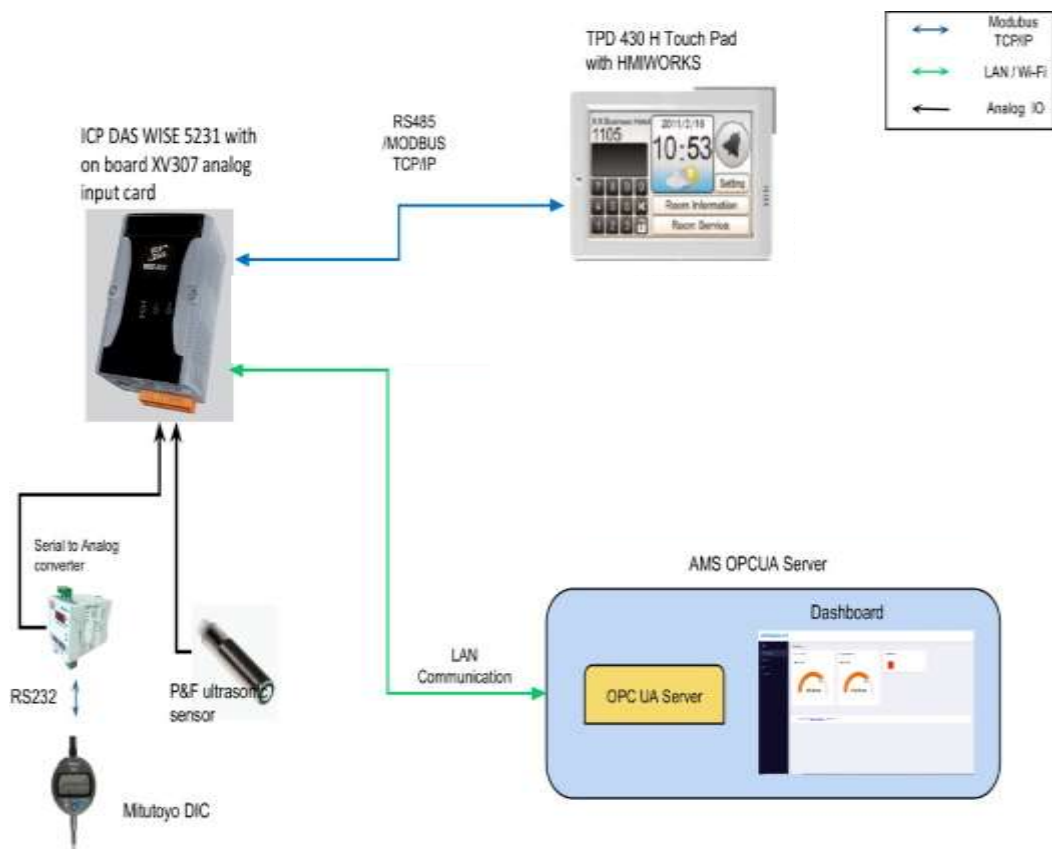
Introduction

The Metrology Kit is a sophisticated system that utilizes Ethernet technology to seamlessly integrate various sensors and control components. It leverages the combined capabilities of ICP Das Control, Digital Input (DI), and Artificial Intelligence (AI) signals sourced from devices like Pushbuttons, Ultrasonic Sensors, and Dial Indicators.

For efficient data transmission over the network, the Metrology Kit employs the ICP DAS Gateway along with the Modbus TCP Protocol. This Ethernet-based solution ensures reliable and swift communication between different components of the system, facilitating seamless data exchange and control within the Metrology Kit.

Purpose

- Metrology Kit are useful for Training and Testing
- Web and mobile-based visualization of sensor data



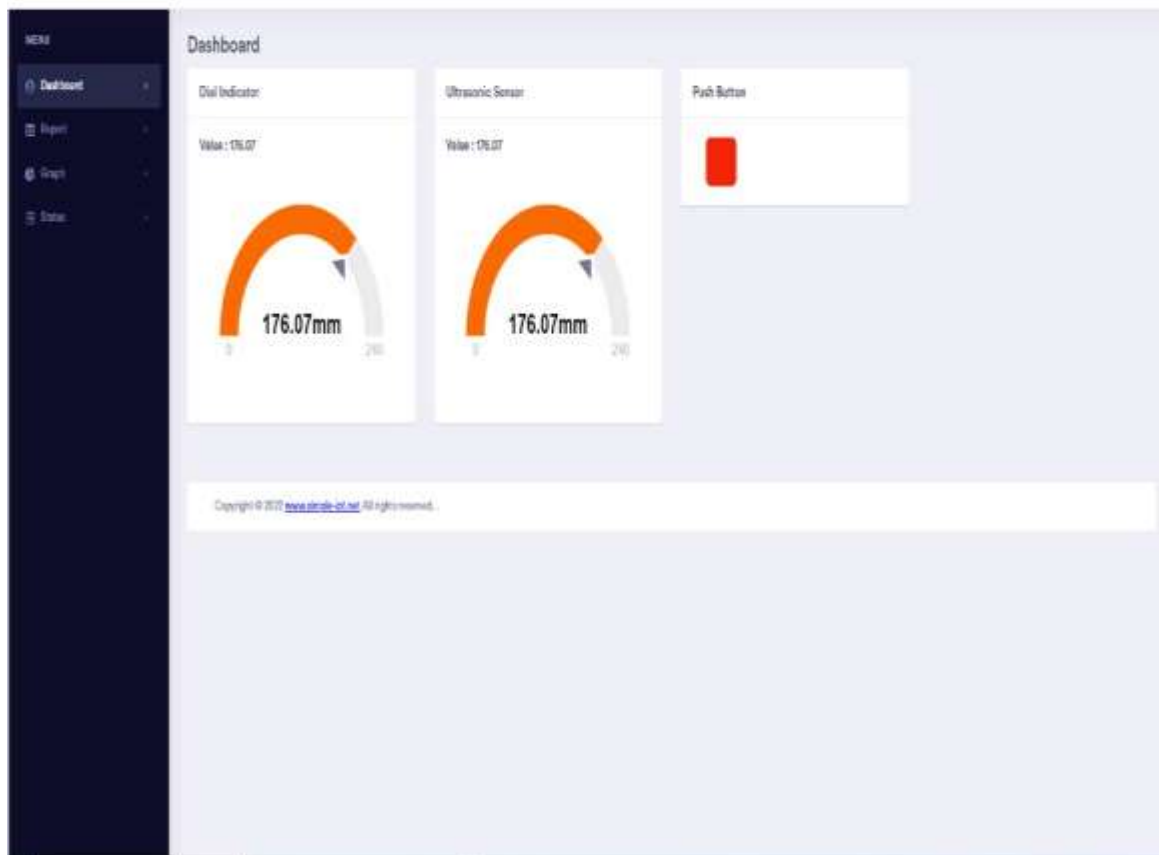
Metrology Kit - Architecture

Metrology Kit have possible way to communicate .

Without Gateway via OPCUA Server

OPCUA Server : Doesn't required additional Hardware to transmit the data to the Ethernet

METROLOGY KIT



Metrology Kit - Dashboard

Metrology Kit provides

- Analytic Dashboard
- Predictive Dashboard
- Report
- Automatic report generation
- Alarm & Events triggered
- Automatic Sending report via Email

Thank You

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