YUTECH A15 SERIES FIELD MOUNTED 16-AI ETH SCANNER
BASED ON YUTECH'S A15 SYSTEMS PLATFORM

FIELD MOUNTED ETHERNET SCANNER:

Field Mounted Ethernet Scanner is a system designed for convenience. It eliminates, Termination Blocks, Junction Boxes, and Wiring required for each of these devices. All Sensor / Transmitter Signal Wires are Terminated in this Scanner, and the Ethernet Cable can be taken to PLC / DCS / Computer saving a huge quantity of Wires and Labour. It can be terminated in the Ethernet side of your Fibre Optic Network for long-distance communications.

- 16-Channel Analog Input, 16-Bit Resolution
- 2-Channel Analog Output, 12-Bit Resolution
- 16 Relay Outputs with LED Indication
- 4 Digit 7-Segment Dual Display
- Ethernet
    - Modbus TCPIP
    - Ethernet TCPIP
- RS 485
    - Modbus RTU
- Field Mounted, Dust and Moisture Proof Enclosure

BUILT-IN COMMUNICATION LINKS:
➢ Ethernet: Modbus TCPIP or Ethernet TCPIP Communication Protocols
➢ RS485: Modbus RTU
➢ External Controller Calibration Facility from DCS / PLC- SCADA / HMI System via Ethernet.
➢ Control Variables can be accessed and changed from DCS / PLC- SCADA / HMI.
➢ USB Communication Facility: For Calibration from PC or Android using the System's USB Port.
➢ YUTECH Access App: Calibration Software can be installed on a PC or Android.

TECHNICAL SPECIFICATIONS:

- **Power Supply:** 85 - 265 VAC, 50 – 60Hz
- **Analyzer Enclosure:** IP67 Field Mounted Dust and Moisture Proof
- **Input:** 16-Channel, 16-Bit Analog Input supporting:
  - RTD – PT 100
  - Thermocouple
  - 4-20mA
  - 0-5VDC
- **Output:** 2-Channel, 12-Bit Analog Output
- **Calibration can be done from:**
  - **Keyboard:** A keyboard with 5 Keys is provided in the Analyzer
  - **USB Port:** for Windows / Android based YUTECH-AccessApp
  - **Display:** 4 Digit LED Dual Display, LED
- **Signal Output:**
  - Potential-Free Relay Output for each Sensor Input (Contact Current Rating 2A @ 230VAC).
  - Ethernet Communication Protocol: Modbus-TCPIP or Ethernet TCPIP on RJ485 Port

Model Selection by Product Code:

- **FIELD MOUNTED 16-AI ETHERNET SCANNER:** A15ETHSAACAI16R16FMEM
  - **A15ETHSA**ACAI16R16FMEM: **A15ETHSA** is the A15 Product Category or Platform based Ethernet Scanner Analyzer
  - A15ETHSA**AC**AI16R16FMEM: **AC** means AC Power Supply (85 – 260VAC, 50-60Hz)
  - A15ETHSAAC**AI16**R16FMEM: **AI16** means 16-Channel 16-BitAnalog Inputs
  - A15ETHSAAC**AI16**R16FMEM: **R16** means 16 Potential-Free Relay Outputs. Relay 1 – 16 will operate on Setpoint for AI 1-16.
  - A15ETHSAACAI16R16**FM**EM: **FM** means Field Mounted Enclosure
  - A15ETHSAACAI16R16FM**EM**: **EM** is for Ethernet (Modbus TCPIP)

- **FIELD MOUNTED 16-AI WITH 2-AO ETHERNET SCANNER:** A15ETHSAACAI16AO2R16FMEM
  - A15ETHSAACAI16**AO2**R16FMEM: **AO2** is 2-Channel Analog Output

- **FIELD MOUNTED 16-AI WITH 2-AO ETHERNET SCANNER WITH USB:**
  - A15ETHSAACAI16R16FMEMUSB; A15ETHSAACAI16AO2R16FMEMUSB
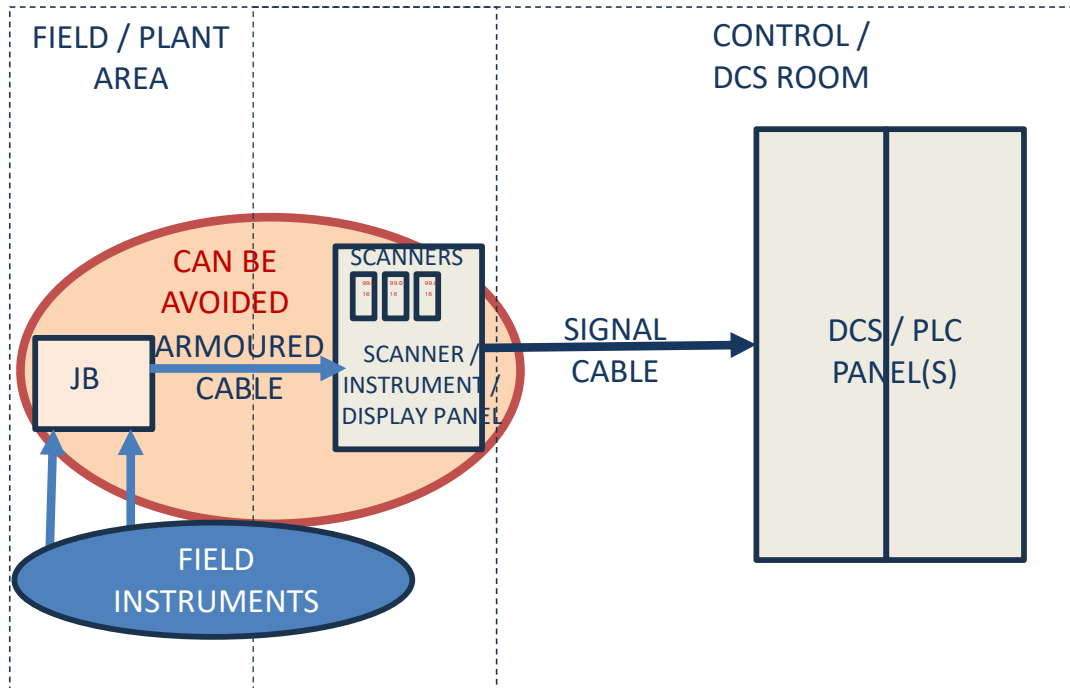 - A15ETHSAACAI16AO2R16FMEMUSB: **USB** is for USB Communication via C Type USB Port.

External Calibration can be achieved through Ethernet for DCS/PLC-SCADA/HMI systems. This allows for easy access and modification of scaled variables. Process value data is also communicated for data acquisition and storage within the same system if used in a Controller Mode.

A USB Communication Facility is available for PC or Android users via the system's USB port for calibration. Our Calibration Software, YUTECH Access App, can be installed on a PC or Android device for convenience.
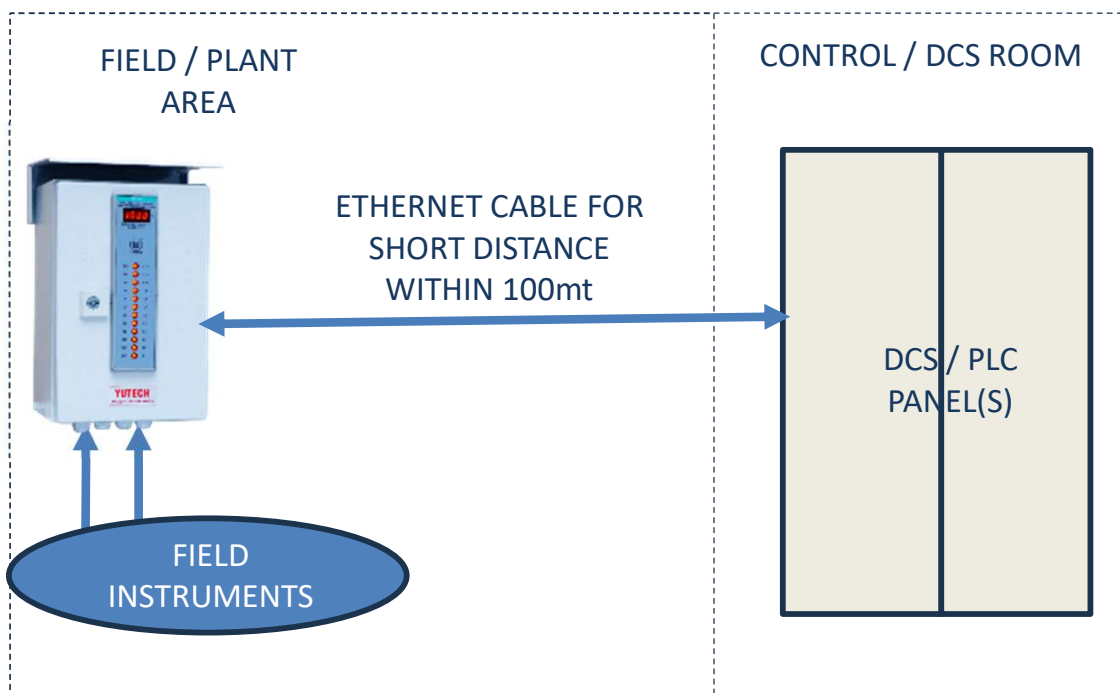
THE CONVENTIONAL SCANNER INSTALLED IN A PANEL EITHER ON FIELD OR IN A CONTROL ROOM HAVING MULTIPLE WIRING TERMINATIONS
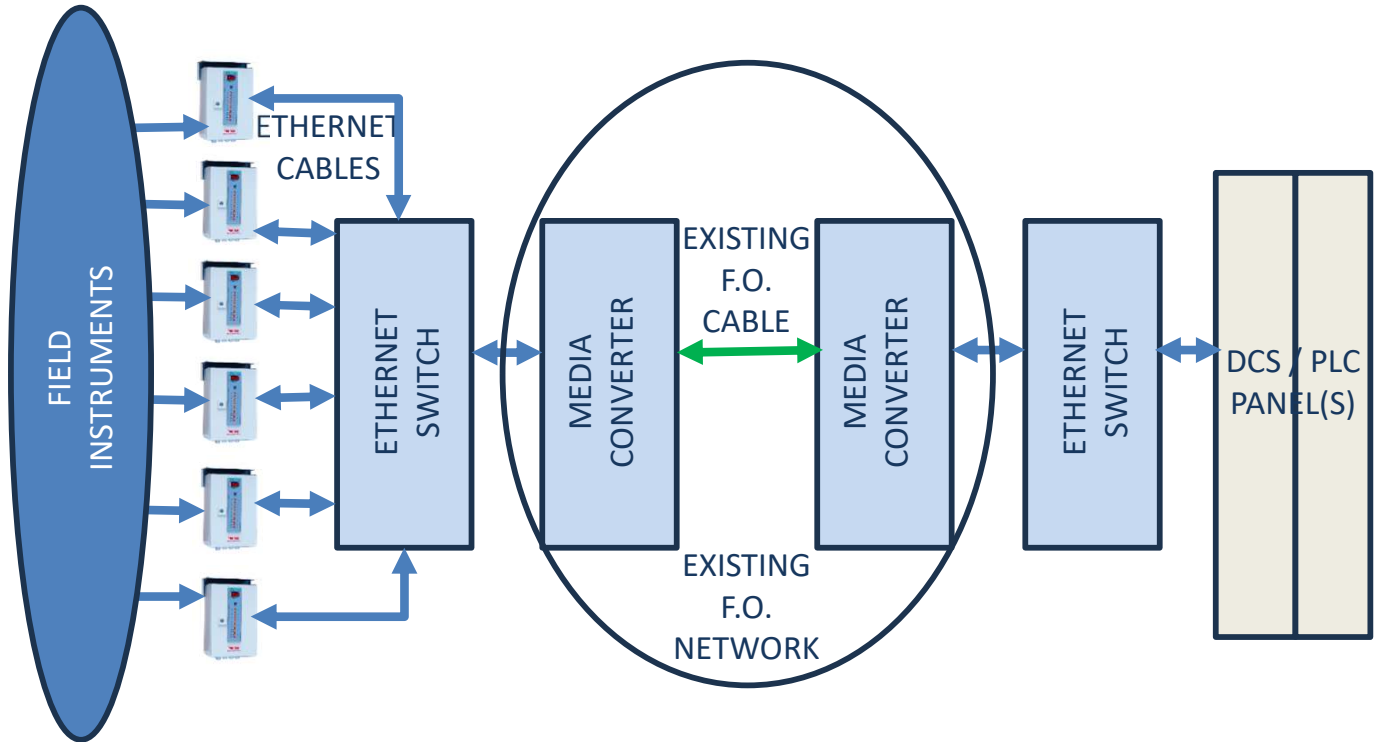

YUTECH FIELD MOUNTED SCANNER INSTALLED IN THE FIELD HAS TERMINALS FOR FIELD WIRING AND CONVERTS THE FIELD SIGNALS TO ETHERNET TCPIP OR MODBUS TCPIP AND THUS AVOIDS MULTIPLE WIRING TERMINATIONS

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FIELD MOUNTED SCANNERS COMMUNICATE WITH ETHERENET SWITCH WHICH COMMUNICATES WITH AN EXISTING FIBRE OPTIC NETWORK FOR LONG DISTANCE SIGNAL TRANSMISSION AND COMMUNICATION

SAVE FUEL, REDUCE CARBON FOOTPRINT,

YUTECH
SERVICE SUPPORT

FACTORY OWNERS' PEACE OF MIND

MAKE THE WORLD GREENER AND YET, MAKE MONEY

FOR MORE DETAILS, PLEASE SEE THE PRESENTATION ON OUR WEBSITE www.yutechautomation.com.

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