

YUTECH A12 SERIES FIELD MOUNTED DISPLAYS, TRANSMITTERS AND CONTROLLERS

BASED ON YUTECH'S A12 INTELLIGENT ANALYZERS AND SYSTEMS PLATFORM



A12-DDTC



DUAL CHANNEL SIGNAL TRANSMISSION, PID CONTROL WITH REMOTE SET VARIABLE

A12-FDT



MULTI SCALABLE INPUT SIGNAL TRANSMISSIONS SPECIALLY DESIGNED FOR MILK SILO LEVEL TRANSMISSION IN DAIRIES

A12-SDT



UNIVERSAL INPUT, DISPLAY AND TRANSMISSION

Salient Features:

- **Built-in Communication Links: See Product Code to select desired protocol Ethernet:**
 - a. Modbus TCP/IP or EtherNet/IP Communication Protocols
 - b. External Controller Calibration Facility from DCS / PLC- SCADA / HMI System via Ethernet. Control Variables can be accessed and changed from DCS / PLC- SCADA / HMI.
 - c. Process Value Data is Communicated for Data Acquisition and Data Storage within DCS / PLC- SCADA / HMI.
 - d. RS485: Modbus RTU (Optional)

USB Communication Facility: For Calibration from PC or Android using System's USB Port. (This facility is available only with Ethernet Models).

YUTECH Access App: Calibration Software can be installed in PC or Android.

Instruments Specifically Designed and Manufactured for Sugar Mills having IP 67 protection class Enclosures: Customized for Sugar Industries:

- Cane Blanket Level Indicators & Transmitters with Sensor Options of:
 - Hall's Effect Type Sensors
 - Ultrasonic Type Sensors
- Mill Top Roller Lift Indicators & Transmitters with Sensor Options of:
 - Hall's Effect Type Sensors
 - Ultrasonic Type Sensors

Field Mounted Instruments having IP67 protection class Enclosures for any Process Applications:

- Field Mounted Universal Input Process Indicator & Transmitter with Ethernet / Wireless Communication Facility and 4-20mA Retransmission and 2 Potential-Free Relay Outputs
- Field Mounted Dual Channel Universal Input Process Indicator & Transmitter with Ethernet / Wireless Communication Facility and with two 4-20mA Retransmission and two Potential-Free Relay Outputs
- Field Mounted PID Controller and Time Proportionate PID Controller
- Field Mounted Customized Pre-fed Logic Indicators and Controllers
- Function Display
- Electro-Pneumatic Valve Positioner with Position Feedback
- Field Mounted Auto / Manual Stations with External Pot Facility
- Field Mounted Flow Totalizer

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TECHNICAL SPECIFICATIONS:

- **Power Supply:** 85 - 265 VAC, 50 – 60Hz
- **Analyzer Enclosure:** IP67 Field Mounted Dust and Moisture Proof
- **Input:**
Universal: 4-20mA Current, 0-5VDC Voltage, RTD-PT100, Thermo-Couple K Type / J Type
Standard other on request
- **Calibration can be done from:**
 - **Keyboard:** Keyboard with 4 Keys is provided in the Transmitter
 - **USB Port:** for Windows / Android based YUTECH-AccessApp (Optional)
- **Display:** 4 Digit / 6 Digit / Dual 4 Digit LED Display
- **Signal Output:**
 - Ch-1: 4 - 20 mA Processed Measured Variable Output
 - Ch-2: 4 - 20 mA Processed Measured Variable Output / PID Output
 - Potential-Free Relay Output R1 for Input-1 and R2 for Input-2
 - Ethernet Communication Protocol: Modbus-TCPIP

PRODUCT CODE:

FIELD MOUNTED INDICATOR, TRANSMITTER, CONTROLLER:

A12-DDTC: DUAL DISPLAY, TRANSMITTER, AND CONTROLLER

PRODUCT CODE: A12DDTCACU2C2C2R2GFM;

A12-FDT: FUNCTION DISPLAY, AND TRANSMITTER

PRODUCT CODE: A12FDTDCU1C1R2GFM;

A12-DT: DISPLAY, AND TRANSMITTER

PRODUCT CODE: A12SDTDCU1C1R2GFM;

A12-DDTCFP: DUAL DISPLAY, TRANSMITTER, AND CONTROLLER , FLAME PROOF ENCLOSURE

PRODUCT CODE: A12DDTCDU2C2C2R2GFMFP;

PRODUCT CODE: A12DDTCDU2C2C2R2GFMFP;

- A12DDTC is the Product Category – **A12 SERIES, DUAL DISPLAY, TRANSMITTER, AND CONTROLLER**
 - AC means AC Power Supply (85 – 260VAC, 50-60Hz) and DC means 24VDC Power Supply
 - Analog Input: U1 / U2 Means 1 or 2 Channels Universal Input
 - Analog Output: C1 / C2 Means 1 or 2 Channels 4-20mA Current Output
 - R2 means 2 Potential-Free Relay Outputs.
 - GFM means Circular Field Mounted Enclosure; GFMFP: FP is for Flame Proof Enclosure
- **Ethernet Model:**
 - A12DDTCC2C2C2R2GFM**EM**; EM is for Ethernet (Modbus TCPIP)

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

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