

masibus[®]

A Sonepar Company

Masibus Product Offerings





Environment Monitoring System

CDU Clean Room Display Unit

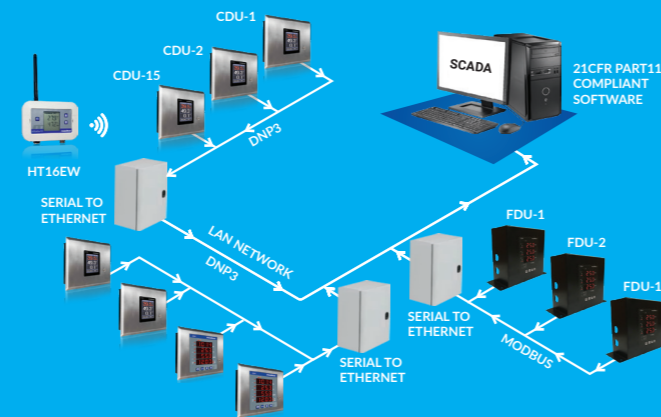
Features

- RH, temperature and DP measurement
- Internal sensor option (Ease of installation)
- Remote sensor option for RH+T measurement
- Available in LED and touchscreen TFT LCD display options
- 3 Programmable alarms with visual annunciation



CDU (LED)

CDU (LCD)



21CFR PART11 COMPLIANT SOFTWARE

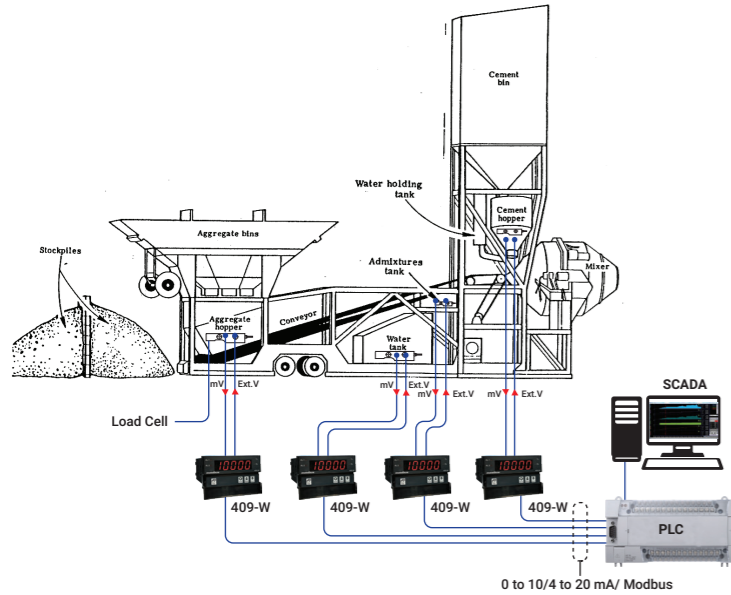
Concrete Batching Mixing Plant

409-W Load Cell Controller/ Indicator

SGT-18 Strain Gauge Transmitter (Load Cell)

Features

- Selectable load cell input ranges
- 5 Digit. 0.56" LED display
- Local cell excitation voltage selectable from 5 to 15V DC (Factory set)
- Tare adjustment through keypad/DI
- User selectable gross and net values
- RS-485 interface (Optional) for connecting PLC/DCS



SGT-18



409-W

FDU with BMS/EMS

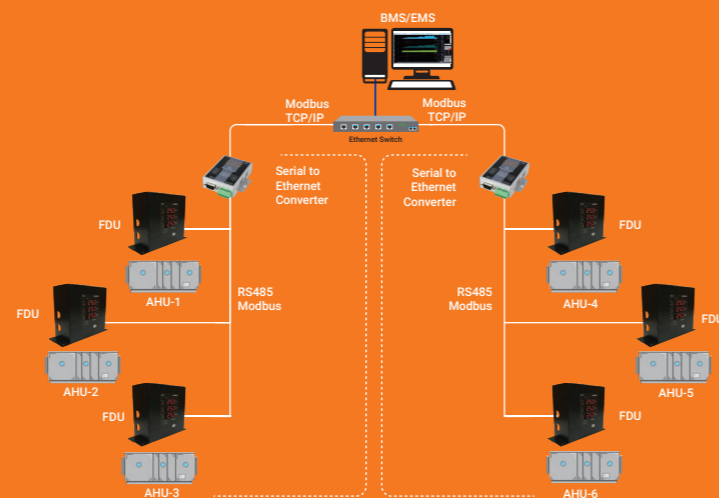
FDU Filter Display Unit (For AHU & BMS Systems)

Features

- Micro-controller based 3 filter differential pressure indicator
- Software programmable filter ranges
- 3 Programmable Hi/Lo alarms with audio/visual annunciation
- RS-485/Modbus RTU communication for PLC, SCADA, etc.
- Built in AHU OFF/TRIP status LED indications via digital input



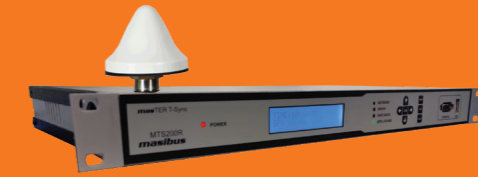
FDU



MC-1-DE



MC-1-DH



MTS200R

MC-1-DE/DH GPS Time Sync Unit

Features

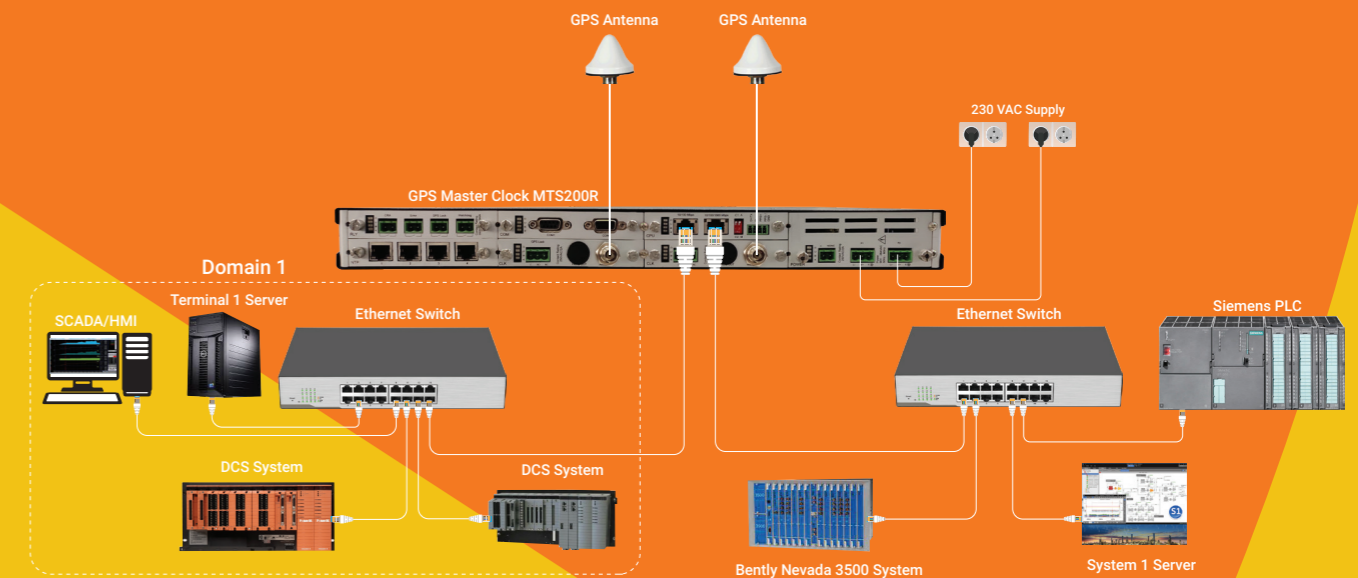
- Cost effective solution
- Compact DIN-Rail /panel/wall mount enclosure
- 6 digits, 0.56" 7-segment LED display for time/date in MC-1-DH model
- 12 Satellite parallel tracking
- Universal (AC/DC) power supply input

MTS200R master Time-Sync

Features

- 22 Satellite parallel tracking
- GNSS based time server available in Redundant & Non-Redundant options
- Ethernet ports
- Remote alarm notifications via SNMP, SYSLOG
- NTPv2/v3 and NTPv4 with MD5 authentication & symmetric and autokey management

Time Synchronization for Process Industry



FDU with BMS/EMS

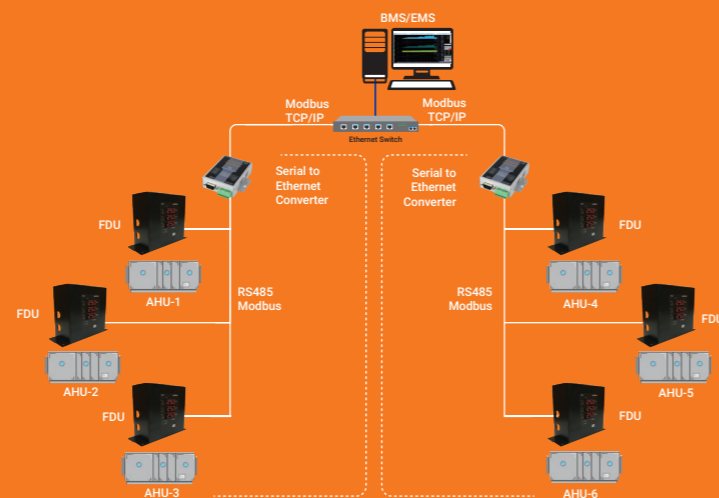
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FDU



MC-2



DDU-24



DDU-26



DDU-44



DDU-46

GPS Wireless Master Clock- MC-2

Features

- Receives automatic time from network of GPS satellites
- Transmits the time to clocks through RF or serial
- Synchronization of server time system through RS-232/RS-485

Wireless Slave Clock- DDU-24/ 26

Features

- Each clock can act as repeater to extent network range
- Works in stand-alone mode if network fails
- DDU-24 / DDU-26 is also available in Ex-proof enclosure for gas group IA and IIB (IP65)

Wireless Slave Clock- DDU-44/ 46

Features

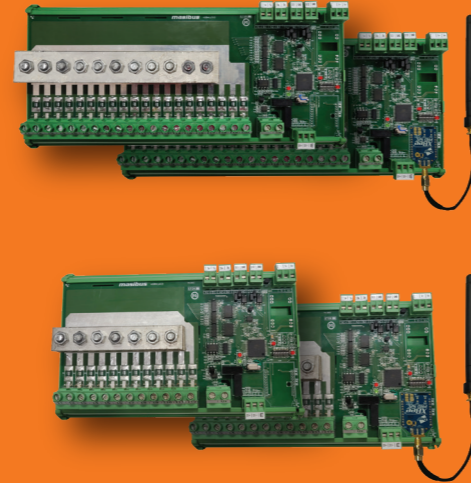
- Use of unlimited slave clocks within transmitter's range
- Optional TP [LAN Interface] with IEEE 802.3af compliant PoE
- Retains time during loss of power/time code



SBM-S-1225-2025 String Box Monitor (For Solar Industry)

Features

- 8/12/16/20 analog input channels for current with built-in shunts
- String Voltage Input: 0-1500 VDC
- 2 Temperature inputs for RTD sensors
- 2 Digital inputs
- 1 On-board temperature sensor



SBM-S-1225-2025



2160-A Multifunction Power & Energy Meter

Features

- Available in accuracy class 1.0 as per IS 13779/ IEC 62053-21
- Optional accuracy class 0.5s or 0.2s as per IS14697/ IEC 62053-22
- Field programmable CT/PT primary & secondary values
- True RMS measurement
- More than 100 electrical parameters

MFT Multi-Function Transducer

Features

- Available in accuracy class 1.0 as per IS 13779/ IEC 62053-21
- Optional accuracy class 0.5s or 0.2s as per IS14697/ IEC 62053-22
- Field programmable CT/PT primary & secondary values
- True RMS measurement
- More than 100 electrical parameters



2160-A (LCD)

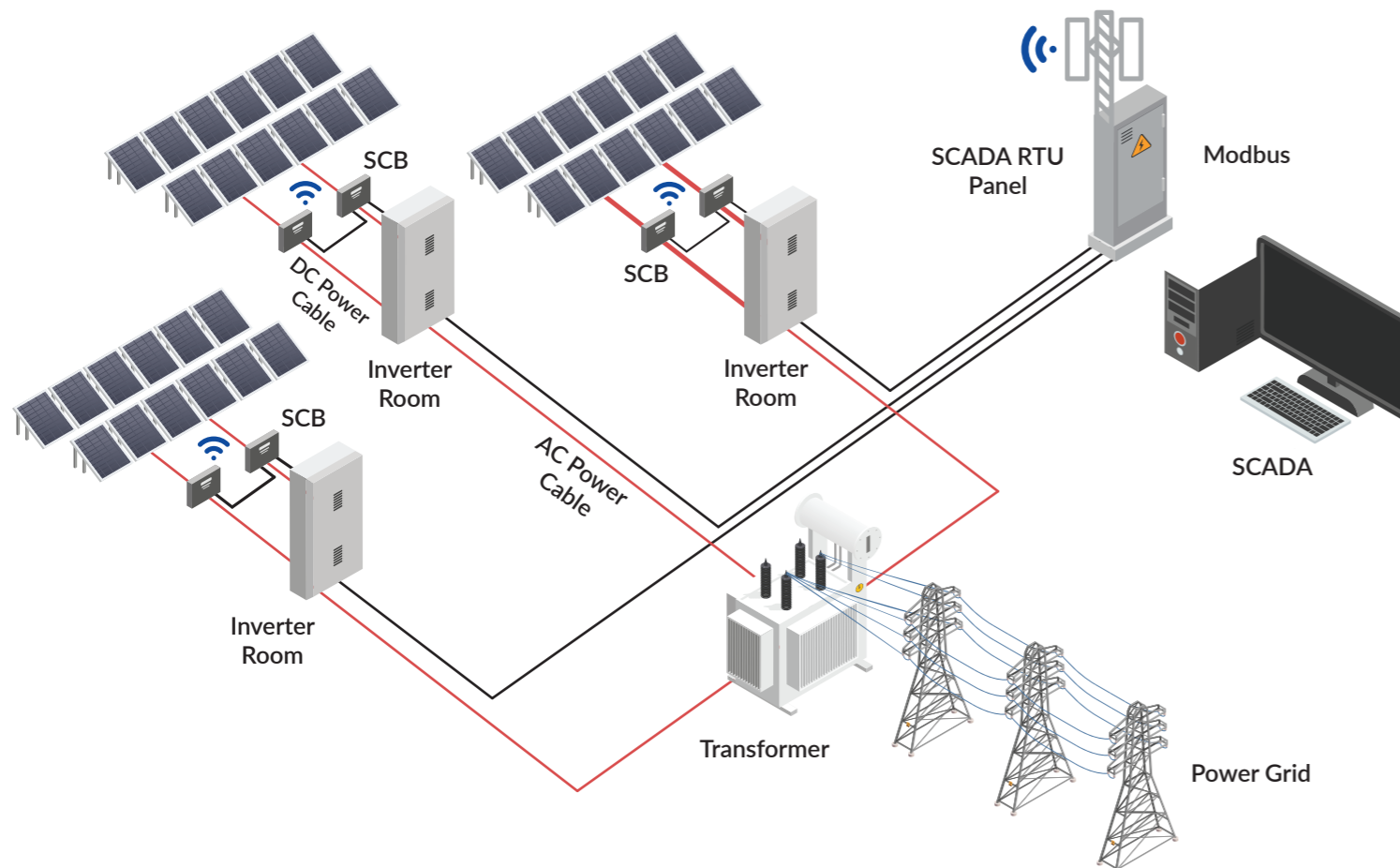


2160-A (LED)

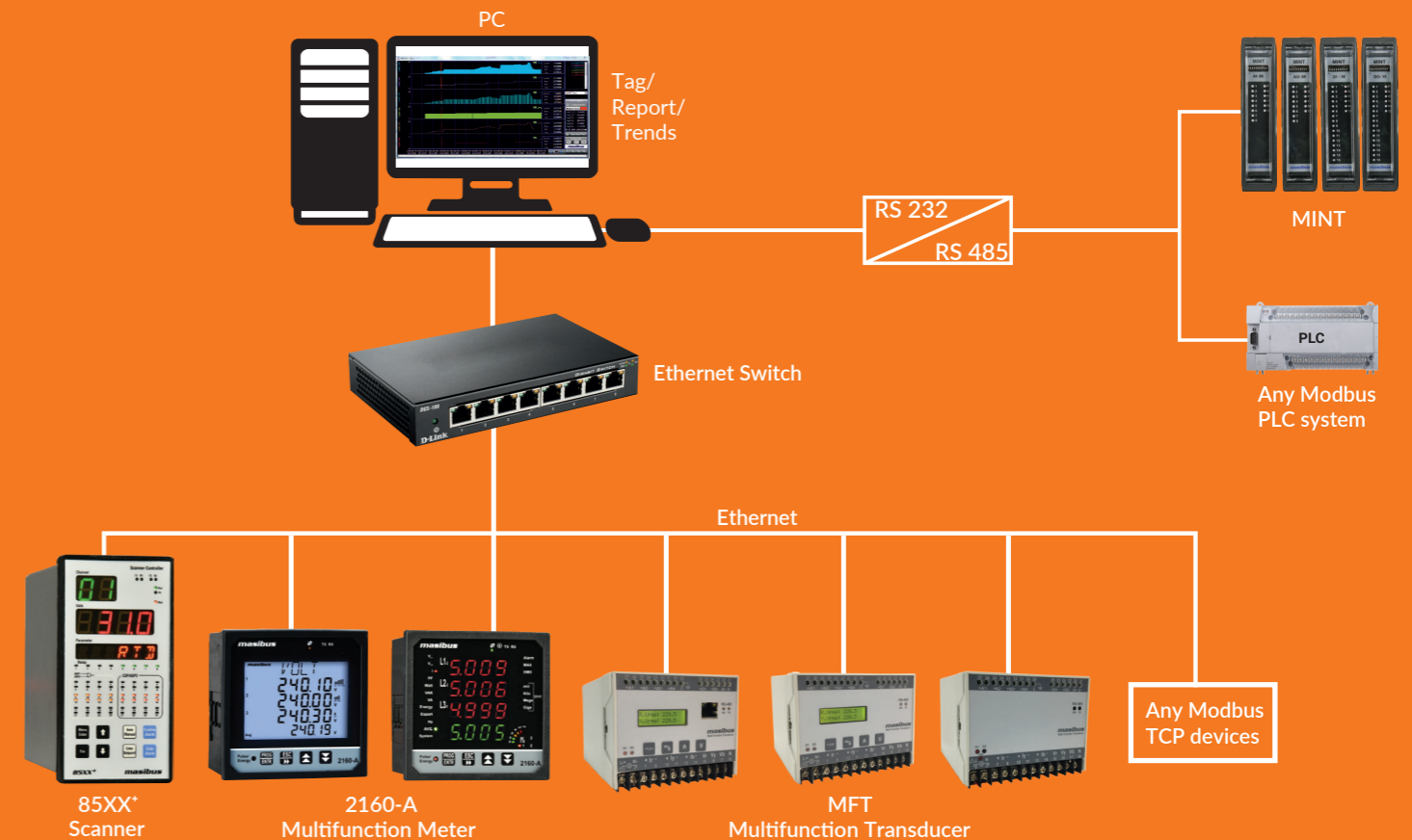


MFT

Wireless String Monitoring Box for Solar Plant



SMART Software Data Monitoring & Logging



TT7S Isolated & Programmable Temperature Transmitters

Features

- Universal input (RTD, Thermocouple, Ohm, mV)
- Full three port isolation
- Linearized output
- Highly accurate
- Fully programmable for input type & range



TT7S11S

TT7S10

TT7S10-H

TT7S00-HR 2-Wire Transmitter Pt-100 input

Features

- Multi-range design
- Output linear to temperature
- Analog linearized for 0.1% linearity
- Sized for DIN B heads and bigger
- Sensor break selection for upscale or downscale



TT7S00-HR



TT7S10-D



TT7S10-XP
(Single Compartment)



TT7S10-XP
(Dual Compartment)

TT7S10-D/TT7S10-XP Loop Powered Temperature Transmitter with Display

Features

- Universal input (RTD, Thermocouple, Ohm, mV)
- Available in below options
 - TT7S10-D: DIN-Rail mount with 0.3", 4 digit LED display
 - TT7S10-XP: Wall or 2" pipe mount Ex-proof transmitter with touchsense keys
 - 0.56", 4 digit LED display in Single Compartment
 - 0.39", 4 digit LED display in Dual Compartment
- 1.5 KV RMS isolation between input & output
- Linearized output
- Highly accurate
- Fully programmable for input type & range
- Digital filter
- Easy configuration using keys and display

Masibus Transmitters Offerings



UT-94



TPT-20

UT94 Universal Transmitter

Features

- Compact DIN-Rail mounting
- Digital display
- Easy configuration using keys & display
- Micro controller based transmitter
- Measuring parameters: RTD, TC, mV, V, mA, Ω

TPT-20 Tap Position Transmitter

Features

- Microcontroller based
- Compact DIN-Rail mounting
- 4 digit red digital display for tap position
- Easy configuration using keys & display
- Programmable tap number upto 100

T/RH Transmitter and DP Transmitter for Clean Room Application

HT7S12 Humidity and Temperature Transmitter

Features

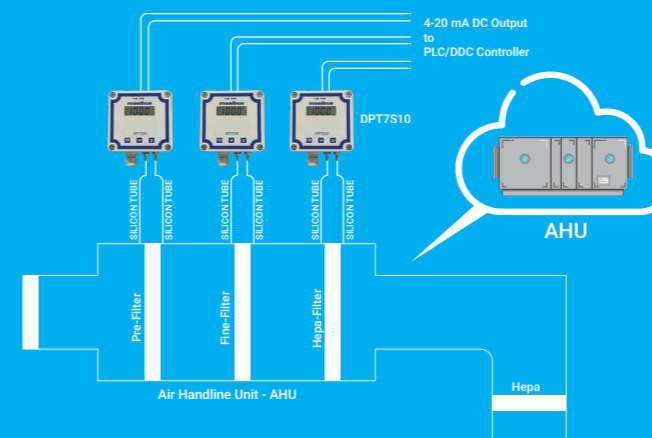
- Wide loop supply voltage range from 10VDC to 36VDC
- Custom built LCD display
- Configurable temperature unit measurement in celsius/fahrenheit /kelvin
- Available in wall and duct mount
- Configurable by front keypad



HT7S12

AHU Filter Monitoring

Differential Pressure Transmitter



DPT7S10 Differential Pressure Transmitter

Features

- Wide loop supply voltage range from 10VDC to 36VDC
- Custom built LCD 4-digit display
- Configurable unit measurement in mmWC / Pa
- Configurable by front keypad (Available in device with display)
- PC based software for configuration, calibration & monitoring



DPT7S10



VMS4SE Multi-Channel Vibration Monitor

Features

- 4 / 8 channel Vibration Input Module
- Optional 8 Channel Universal Analog Input Module
- 3 I/P & 2 O/P Slots capacity
- Compact and rugged panel mount
- Extruded aluminum chassis with IP55 front fascia

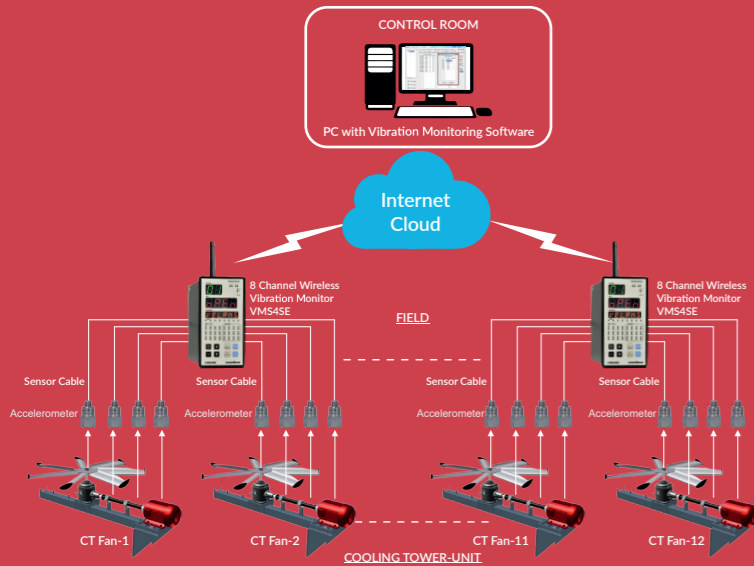


VT7S12E Dual Channel Vibration Transmitter

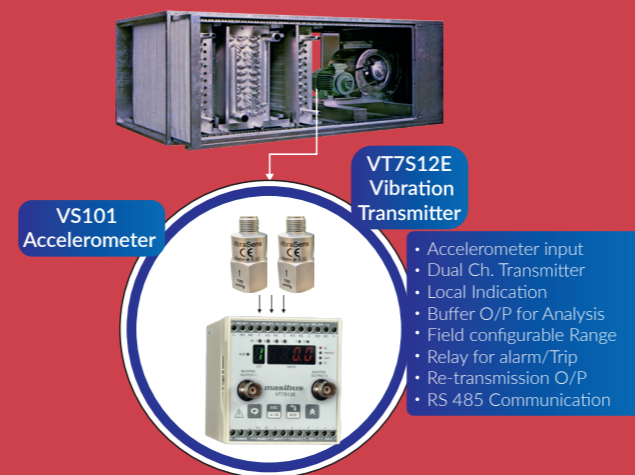
Features

- Compact DIN-Rail mounting
- 4 Digit LED display for value & 1 Digit LED display for channel no
- Dual channel (optional single channel)
- Micro controller based
- Same model field configurable for acceleration, Velocity or displacement range

Cloud Based Condition Monitoring And Protection



Vibration Monitoring of AHU



VMS-R Vibration Monitoring Rack

Features

- Compatible with most sensors and probes
- Accepts proximity input
- Programmable proximity input range
- Upto 10 slots for Input/Output
- Inbuilt flash memory for datalogging



409-S RPM Digital RPM Monitor

Features

- Monitors, protects & transmits turbine & rotating machines speed
- Bright 5 digit display with brightness control
- Programmable events per rotation
- 2 Set point with relay output for alarm/trip
- Analog output for PLC/DCS interface



Masibus IIoT Gateway

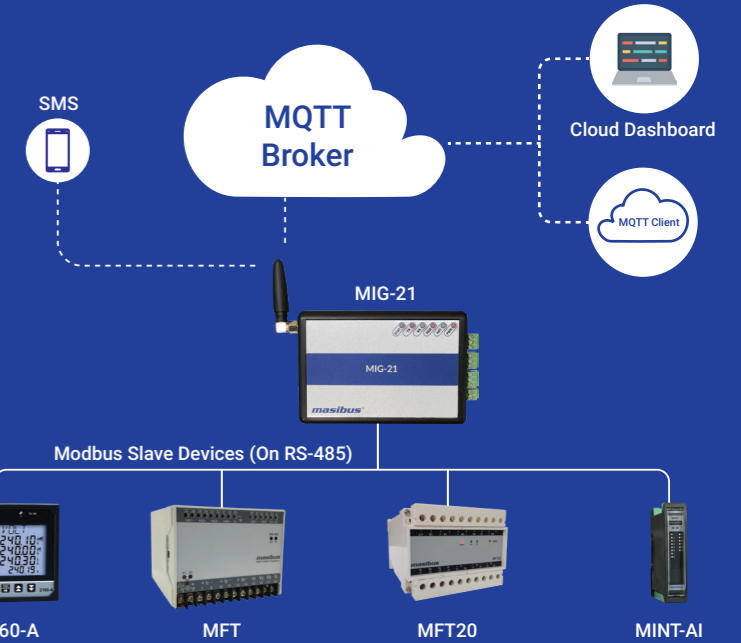
MIG21 Masibus IIoT Gateway

Features

- 4G Modem (LTE Cat1)
 - Support frequency band :
 - GSM : 900/1800MHz
 - LTE FDD : B1/B3/B5/B7/B8/B20/B28/B31/B72
 - LTE Cat1: 10 Mbps (DL) 5 Mbps (UL)
- Remotely monitoring data on MQTT server
- Retains the data in-case of network failure
- Embedded web server for easy configuration
- Configurable RS-485 baud rate, parity and stop bit



MIG-21

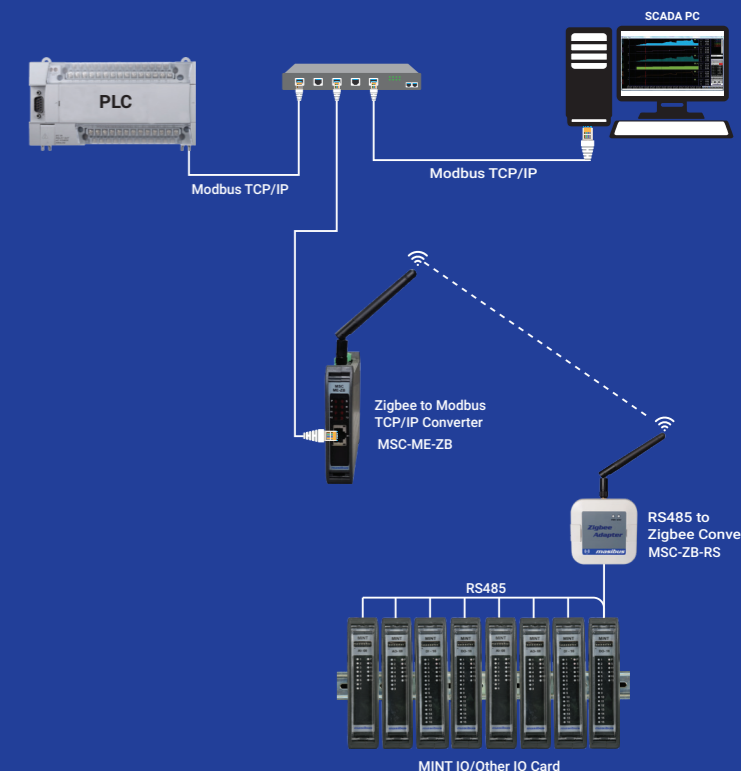


Wireless I/O for Automation

MSC Masibus Smart Converter (Zigbee Wireless Solution)

Features

- MSC-PS-MS**
 - Integrates multiple Modbus RTU slaves into Single Profibus Network
- MSC-ME-MS**
 - Supports max upto 64 Modbus RTU slave devices on RS-485
- MSC-ME-ZB**
 - Supports upto 64 Modbus RTU slave devices on RS-485 & ZigBee
- MSC-ZB-RS**
 - Number of ports: 1 RS-485 (Wired) & 1 ZigBee (Wireless)



MSC-ME-ZB



MSC-ME-MS



MSC-ZB-RS



Auto-Tune PID Controller Large & Bright Display

Features

- Advanced auto-tune PID algorithm
- Universal input (TC, RTD, Volts, mA)
- 15 Alarm configurations
- RS-485 modbus communication (Optional)
- Variety of retransmission output (Optional)



TC-5396

TC596/ TC548/ TC548E ON/OFF - PID Temperature Controller

Features

- Thermocouple/RTD input
- Average energy demand parameter for process diagnosis
- 10A relay for ON/OFF or PID controlling
- SV display in TC548E: 0.31" 7-segment green LED 4-digit
- Three years calibration with auto zero and auto span



TC596



TC548E



TC548

5040 / 5040-XP Single Loop Controller

Features

- Universal input selection
- Universal output including valve positioner output
- Autotune PID with ratio control
- Fast loop response time of 250mSec
- 4 Relay and 4 digital outputs for control, alarms and events



5040

5040-XP

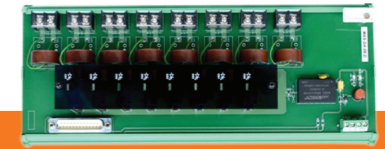
Digital Process Controller

Features

- Unique one shot calibration method
- Premium ON/OFF or proportional controller
- Transmitter power supply
- Fast loop response time of 250mSec
- Up to 4 independent programmable relay output



5002U-P

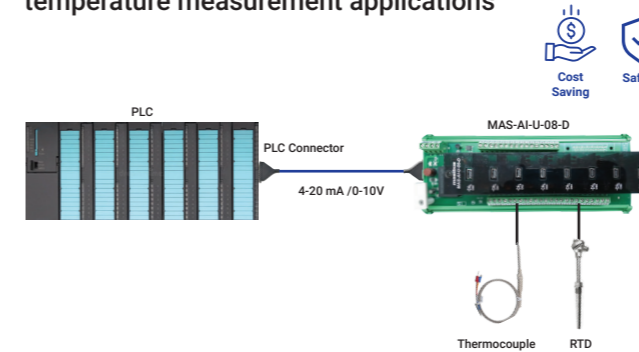


MAS-AI-U-08-D Field Interface Board

Features

- Universal input (RTD, thermocouple)
- 1.5 KV AC RMS Isolation between input, output and power
- Linearized output
- Fully programmable for input type & range
- Fast response time: <500 ms

Reduce PLC costs with signal conditioners-
temperature measurement applications



4 Channel Relay FIB



8 Channel Relay FIB



MAS-DO-RL-08-D Field Interface Board 8/16 Relay Output

Features

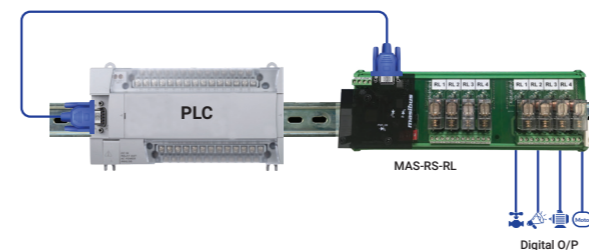
- Relay module with 8/16 channel
- Coil voltage: 5V DC/12V DC/24V DC/48V DC
- Free wheeling diode across the relay coil for protection
- Jumpers for selection between positive/negative looping
- Available with pluggable relays

MAS-RS-RL Modbus Relay Field Interface Board 4/8 Channel Relay FIB

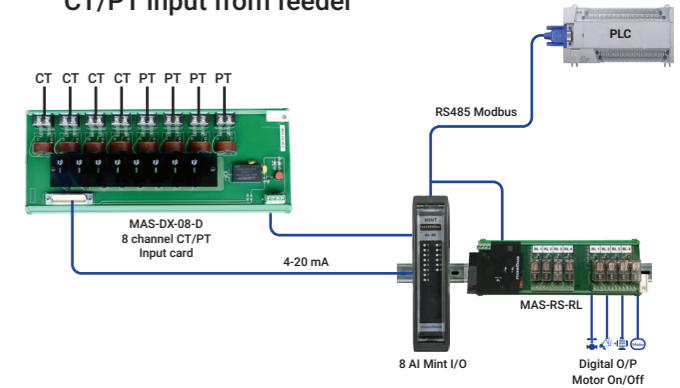
Features

- Field interface for PLC/DCS/SCADA system

Extending digital output to PLC system



Converting conventional MCC to IMCC
CT/PT input from feeder





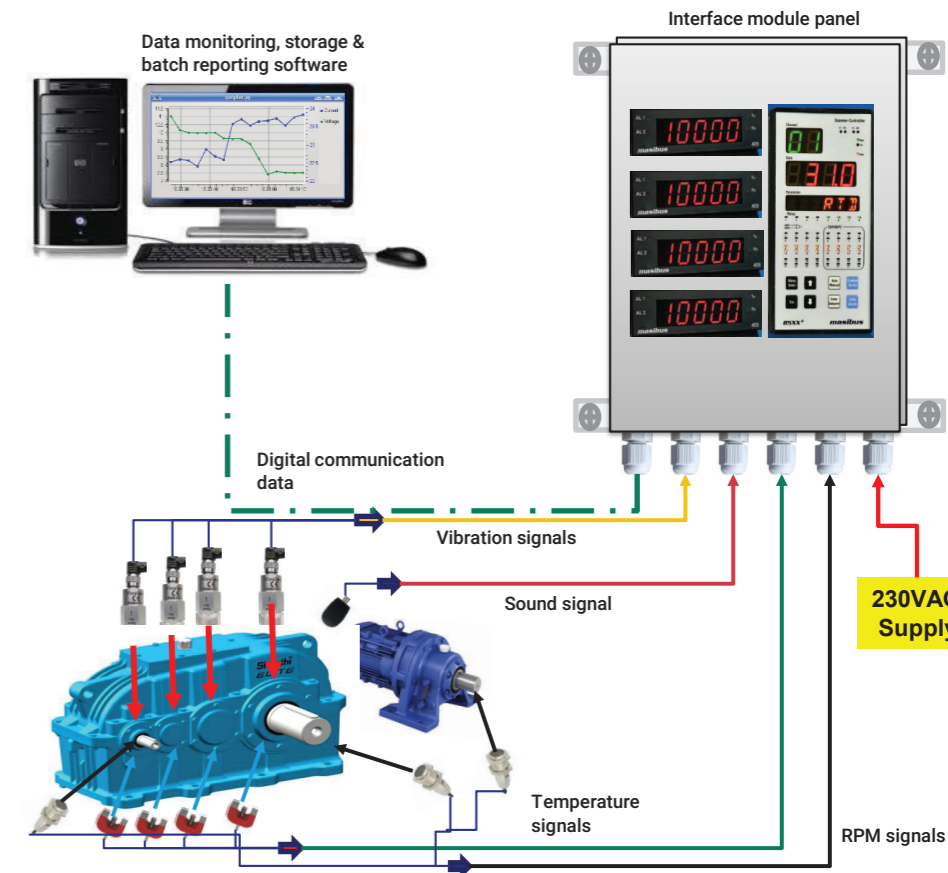
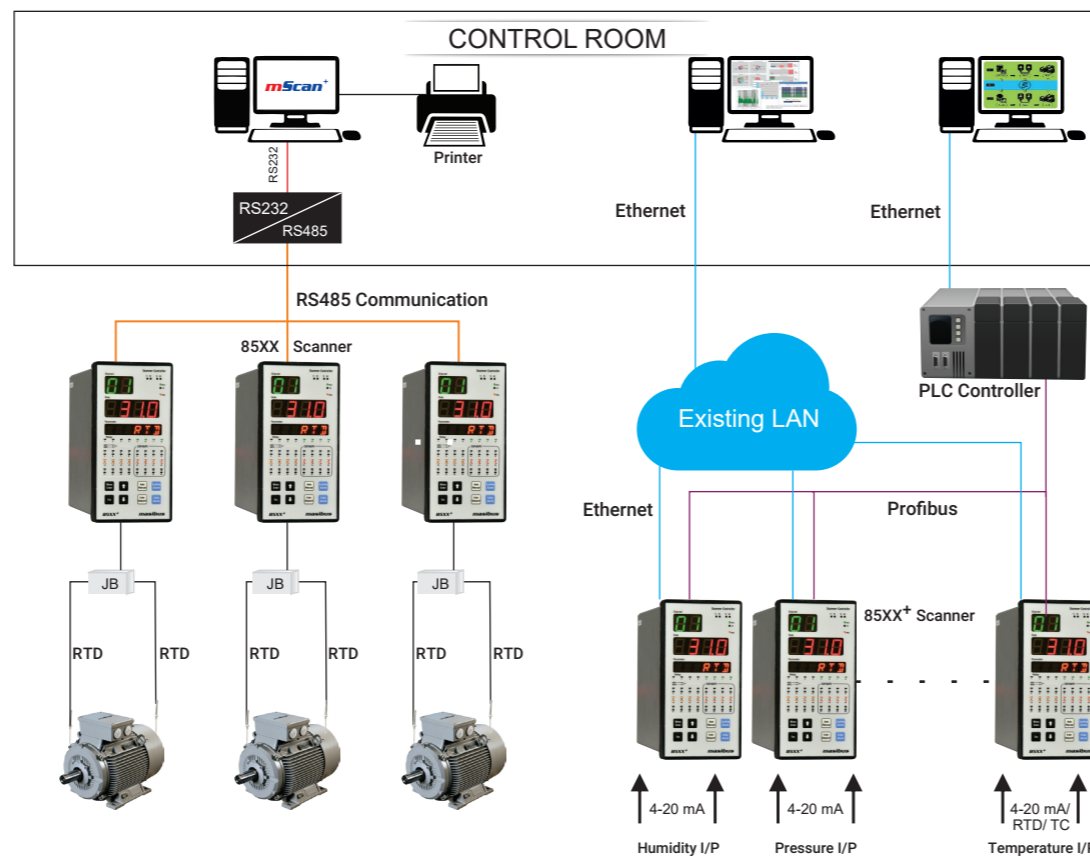
Gearbox Vibration, RPM, Sound, Temperature Monitoring System



85XX+ 24-Channel Scanner/ DAQ Module

Features

- Compact and rugged
- Alpha-numeric display for programmable tag no / Engg unit
- EMI/EMC type test qualified & CE marked
- Universal analog input module
- 16 Channel digital input module (Optional)



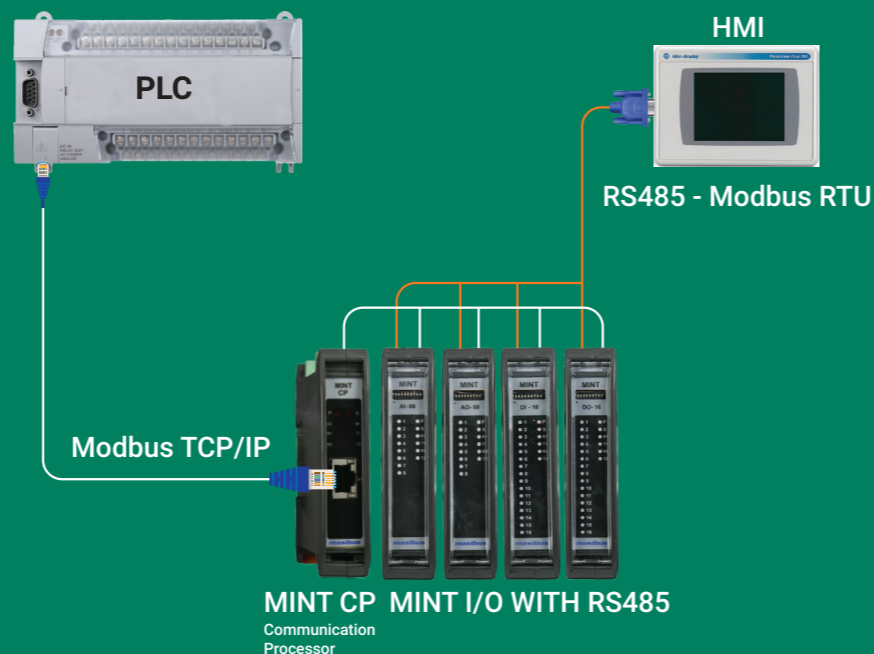
Mint CP with I/O on Modbus TCP/IP to PLC & Mint IO's to HMI on RS485-Modbus



DI-16/DO-16/AI-08/AO-08/MINT-CP MINT Intelligent I/Os & Communication Processor

Features

- 2 Modbus serial ports RS-485
- 1 RS485 + 1 Modbus over TCP/IP Port - Modnet (optional)
- 2 Masters can be connected at a time in MINT with 2 RS-485 port option
- Compact DIN-Rail enclosure
- High-speed communication



8204 4-Channel Scanner

Features

- Universal input for each analog input
- Compact 1/4 (8208) 1/8 (8204) DIN mounting
- Front panel programming
- Fast sampling rate with instantaneous relay action
- Four relays for alarm/trip



8208 8-Channel Scanner



8040 Data Logger

Features

- 16 - 128 channels configuration
- Scans 128 channels in 3 seconds
- Two user dedicated serial communication ports + one OT/HMI port
- Ethernet port / USB port (optional)
- 2 x 16 character LCD operator display terminal



Signal Conditioners



Calibrators



9000C Signal Isolator

Features

- Available in Aux Powered (AP) and Loop Powered (LP) options
- Slim DIN rail mount design of 12.5mm for single output and 17.5mm for dual output
- Rugged & accurate 4 wire and 2 wire Isolator
- Up to 2 outputs with short circuit protection
- CE certified model option
- HART pass through model

9000U+ Signal Isolator

Features

- Rugged & accurate 4 wire isolator
- Switch option for 0/4-20mA, 0/1-5V and 0-10V I/O selection
- Extended universal power supply range: 20V to 265V DC or AC
- 2.0KVAC three port isolation
- Wide zero & span adjustment limits
- Front calibration facility via multiturn trimpot

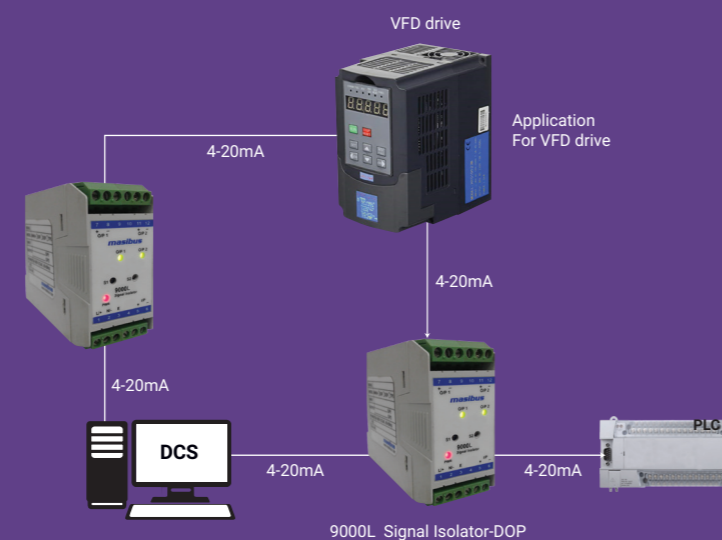


9000L Signal Isolator

Features

- Compact DIN-Rail mount design of 35mm for single and dual output
- 1.5 KV AC three port isolation
- Up to 2 outputs with short circuit Protection
- High CMRR and NMRR
- High output load driving capability

Signal Isolator - Key Applications



LC 11 The Ultimate Loop Calibrator

Features

- Easy to read color graphical TFT LCD display
- Rechargeable lithium ion battery with enhanced power control for prolonged battery life
- Measure or source: mA, mV and V readings
- 24 VDC loop power supply to power transmitters and loops
- Step/ ramp functions with auto/ man selection



TC12+ Temperature Calibrator

Features

- Compact, handheld, user friendly menu
- Easy to read color graphical TFT LCD display
- Rechargeable lithium ion battery with enhanced power control for prolonged battery life
- Measure: mA/ V/ mV/ mA (24V)/ switch-test / RTD/ TC
- Source: resistance/ RTD/ TC



LC 12 The Ultimate Loop Calibrator

Features

- Easy to read color graphical TFT LCD display
- Available with EMI/EMC compliance
- Rechargeable lithium ion battery with enhanced power control for prolonged battery life
- Simultaneously measure and source: mA, mV and V with dual readings on display
- 24 VDC loop power supply to power transmitters and loops



UC12 Universal Calibrator

Features

- Compact, handheld, user friendly menu
- Available with EMI/EMC compliance
- Easy to read color graphical TFT LCD display
- Rechargeable lithium ion battery with enhanced power control for prolonged battery life
- Measure: mA/ V/ mV/ mA (24V)/ switch-test / RTD/ TC/ frequency/ pulse

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