



TESTING **INDONESIA**

MPDI C Series

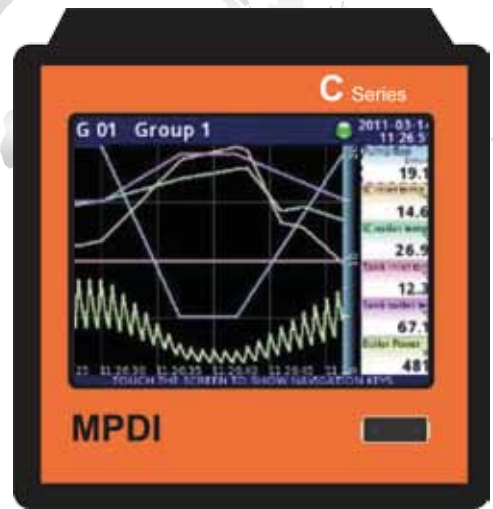
Automatic Control & Data Logger

The Best Product



MPDI-C72

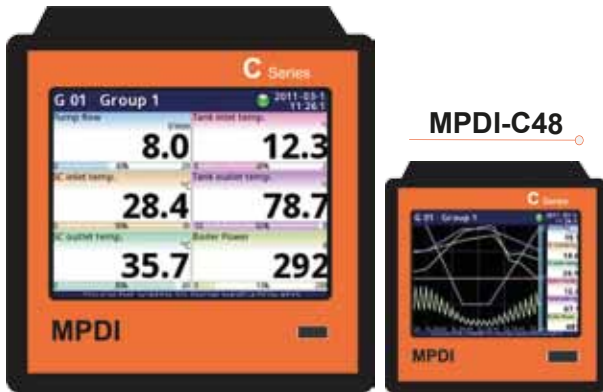
MPDI-C48



- Measure
- Monitor
- Controller
- Paperless Recorder
- Distributed Control System

SAP **READY**
INTERFACE
 system Integrator

Automatic Control & Datalogger



MPDI-C72

MPDI-C48

ALL in One Mini Scada System

- User friendly touch screen HMI display 3.5" or 5.7"
- Digital Numeric, Analog Indicator, Horizontal/Vertical Bargraph, Hor./Ver. Chart, Phasor visualization.
- Multi channel I/O upto 72 analog/digital input
- Direct connection from Almost All sensor
- Output compatibility to all Automation Actuator Equipment.
- Alarm function with Digital Relay output (Hi-Lo limit / OK-NG).
- Logger capacity up to 1.5 GB (125'000'000 samples)
- Automatic process Control with PID function
- Powerfull user configurable mathematic function and statistic data processing.
- Expandable easily to any existing or new DCS (Distributed control System) via Modbus protocol, makes wiring efficient.
- Built in digital input for universal configurable function
- Data-access via USB, Ethernet (TCP/IP), RS485 and RS232.
- Data-export via USB-Stick Flashdisk.

Optional Accessories

DINR-Cxx (48/72) Mounting Bracket for DIN Rail Installation	TDK-Cxx (48/72) Transparent Door with Key	Feature with Keyboard & Mouse
Portable Case	Panel Box for outdoor	Wall mount (special order)

Internal Storage Capacity 1.5 GB

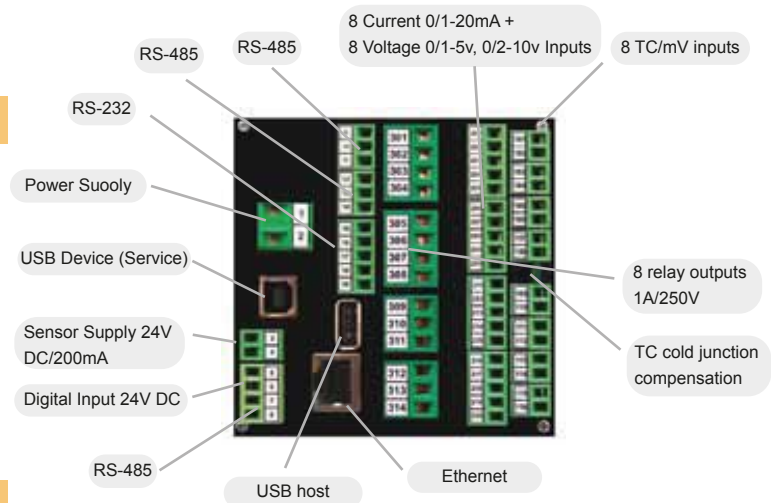
1.5 GB can store over 125,000,000 samples

recording mode	intense (every 1 sec.)	medium (every 10 sec.)	economy (every 1 min.)
60 channels	20 days	6 months	3 years
48 channels	30 days	8 months	4 years
24 channels	50 days	15 months	7 years

Typical applications

- central temperature measurement and control system,
- multi zone heater controller,
- intermediate pumping station control system,
- spraying and heating control system for glasshouse.
- Automated operation Schedule

Exemplary pin assignment



Optional PC software

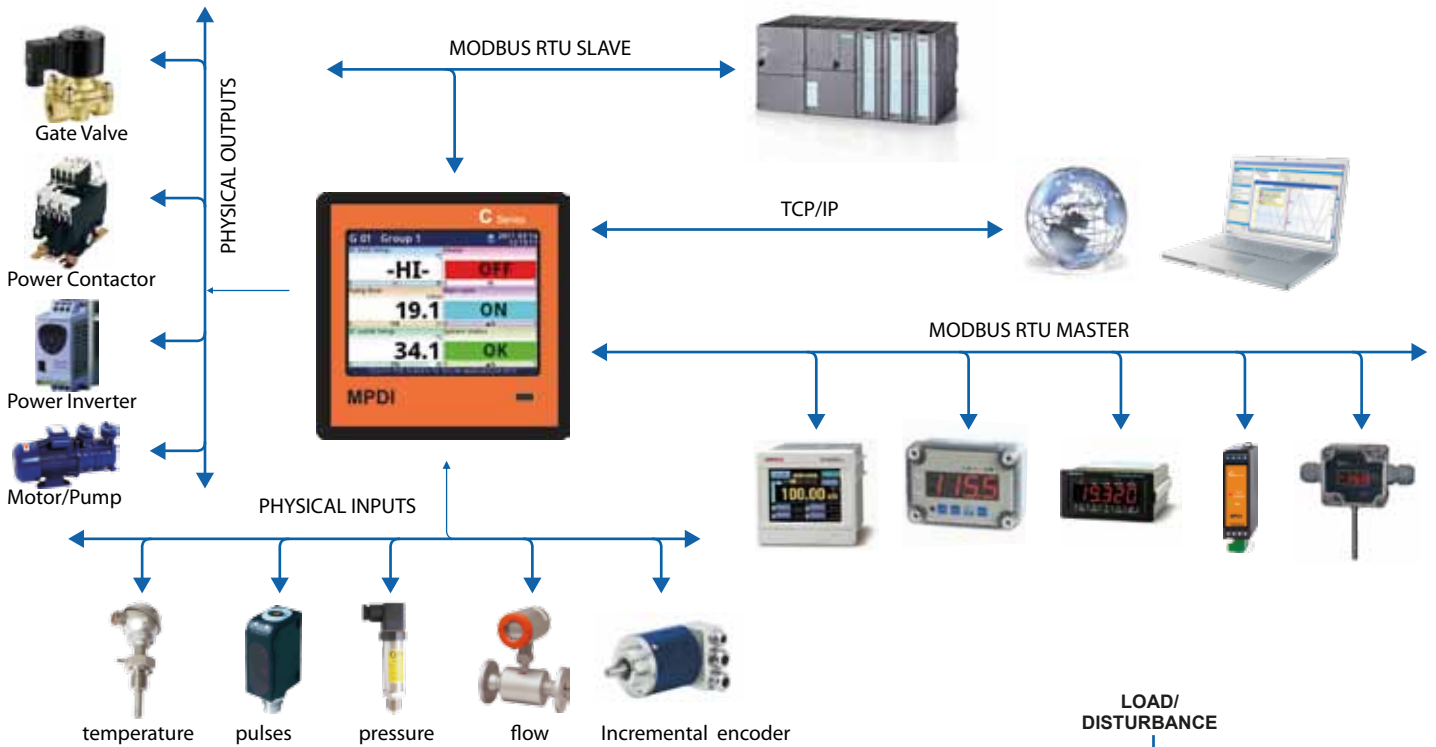


An example of what the display looks like

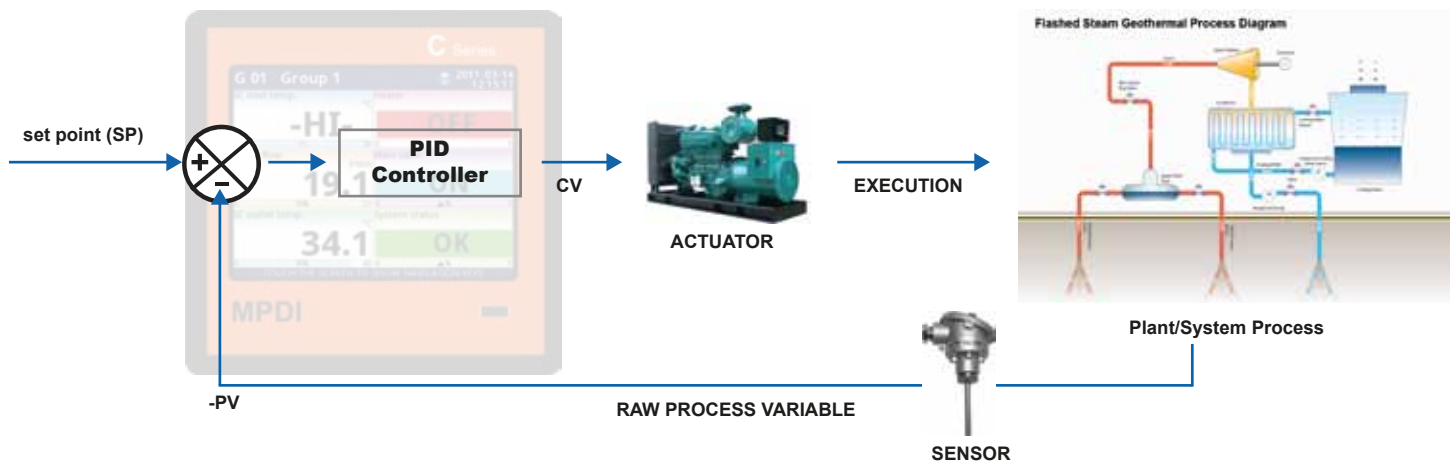


Automatic Control & Datalogger

Specification	
<ul style="list-style-type: none"> DISPLAY Visualization SENSOR ACTUATOR 	HMI, LCD 3,5" & 5,7" Monitor Digital Numeric, Analog Indicator, Horizontal/Vertical Bargraph, Hor./Ver. Chart, Phasor Direct Connection for Almost All Sensor Pump, Gate Valve, Power Contactor, Power Inverter, Motor (DC / AC), Hydraulic, Pneumatic, Heater, etc
<ul style="list-style-type: none"> I/O SIGNAL 	
Signal Input Analog	
Current Input (mA)	0 - 20 mA ; 4 - 20 mA
Voltage Input (mV , V)	-10 - 25 mV ; -10 - 100 mV ; 0 - 600 mV ; 0 - 5 V ;
Thermocouple	type J, K, S, T, M, R, B, E, and L
RTD (2,3,4 wire)	Pt 100, Pt 500, Pt 1000, Pt50 ; Ni 100, Ni 500, Ni 1000 ; Cu 50, Cu 100
Resistance (Ohm)	0 - 300 ; 0 - 3k
Digital	
Binnary Input	On / Off , 0 / 5V , 0/12V , 0/24V
Binnary Code Decimal (BCD)	Up to 6 Nibble (3 Byte)
Costum Digital Input	
Counter Input	Pulse, A+B, A-B, Quad(Incremental encoder)
Timer / Hourmeter	0 - 1000 000 000 sec
Frequency / Pulse Rate	Flow rate, Tachometer, totalizer (Accumulation), High Speed Quad (Incremental encoder)
Signal Output	
Current Output	4 - 20 mA
Solid State Relay (SSR)	High Speed On/Off Relay, PWM (Pulse Width Modulation)
Relay Output	Max 1A, Max 5A, NC NO Contact, PID, Alarm, High-Low Limit, Linearization
<ul style="list-style-type: none"> CONTROLLER DATA PROCESSING 	
Math Function	
Arithmetic	+ , - , x , / , ^ , log
Logic	and, or, xor, inv
Comparizon	> , < , >= , <= , = , ≠
Trigonometri	sin, cos, tan, arcsin, arccos, arctan, cot, arccot
Statistic	sum, mean/average, max, min,
Signal Profiler / Waveform	rectangular, triangle, sinus, latch, user defined
<ul style="list-style-type: none"> STORAGE (Data Recording) COMMUNICATION DATA OPERATING SYSTEM POWER EXPANSION MODULES 	
	1,5GB
	USB, Ethernet, RS485, RS232 (Modbus Protocol)
	LINUX
	85 - 260 VAC/DC ; 19 - 50 VDC (16 - 35 VAC)
	DCS (Distributed Control System) , Modbus



Automatic PID Closed Loop Control System



Automatic Control & Datalogger

sensor transducer



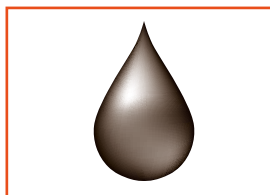
- Laser Sensor
- RTD
- Humidity
- Wind Direction
- Load Cell
- Wind Speed Sensor
- Non Contact Temperature Sensor

- Wind Direction Indicator Sensor
- Barometer
- Gas Transducer
- Voltage Transducer
- Current Transducer
- Temperature
- Humidity

- Torsion
- Pulse Rate
- Flow Rate
- Water Current
- Air Temperature & Rh
- LVDT
- Gas Transducer (Co, Co2, Nitrogen, Flammable Gas, Combustible Gas O2)



Industrial Automation & Control



OIL & GAS



LNG SUPPLY CHAIN



REFINING



CHEMICAL & PETROCHEMICAL



PHARMACEUTICAL



POWER



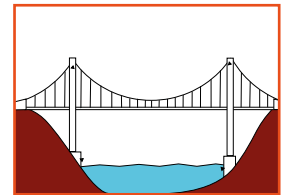
WATER & WASTEWATER



FOOD & BEVERAGE



PULP & PAPER



Civil Structure & Geotechnical



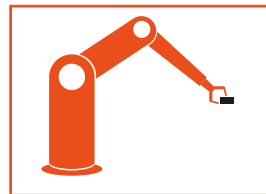
Transportation



Cement & Concrete Industry



Mining & Mineral



Manufacturing & Automation



IRON & STEEL

