



# ADTEK

## ADTEK PRODUCT RELATED TO PROCESS CONTROL SYSTEM

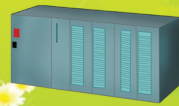
EXCELLENT SERVICE · BEST SUPPORT



Cloud Computing



USB



PLC / DCS / DOC



Recorder

ETHERNET

SIGNAL OUTPUT



PL-ANET  
Industrial comm  
& Converters



DL1S  
Data Logger



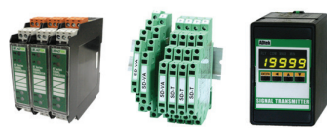
PL-STU  
Industrial comm  
& Converters

RS 485  
Communication

RS 485  
Communication



AEM-DR2 / PA-MTS



AT / ST / SD  
Process Signal Transmitter



CSN / CM1 / CM3-VA / CS1 / CS2 / CS3 / CS2-TM  
CS2-CT / CS2-MC / A6-SG / A7-SG / TC / VAW / VAM



Digital indicator  
& Controller

SIGNAL  
OUTPUT

SIGNAL OUTPUT



PX / HTP / HTS / TS / CO2 / CSP-2 / CSP-3 / ED1 / PE1 / PE2 / SP1 / SP2  
Process Transducers

V	A	Hz	mA	Ω
°C	%	RPM	M/min	Kg/cm <sup>2</sup>
M <sup>3</sup> /min	mm	Kg	%RH	MS



# CM1

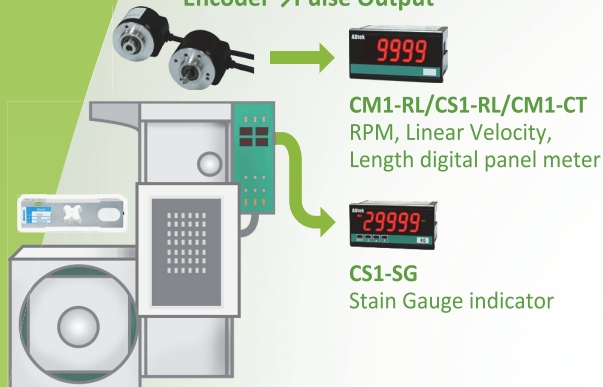
## CM1 series

- Economic type
- 4 digit
- Programmable

CM1 series is a cost-effective controller with programmable display range, anti-interference design, high reliability, and ease of installation and usage. It also provides variety measurements in voltage, current and pulse (linear/speed/counting). Provide 2 relay outputs, and an analogue output or an RS 485 port for Modbus communication. Hidden buttons is especially useful for mechanical system control.

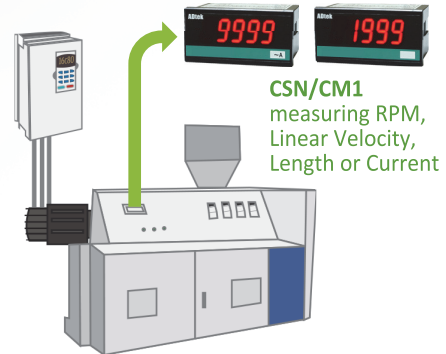
**Winding Machine / Drawing Machine**  
RPM, Linear Velocity, Length display & control

Encoder → Pulse Output



**Extruder/ Motor**  
RPM, Linear Velocity and Current display

0-10Vdc/0~1mAdc output from frequency transformer



# CM1-CT

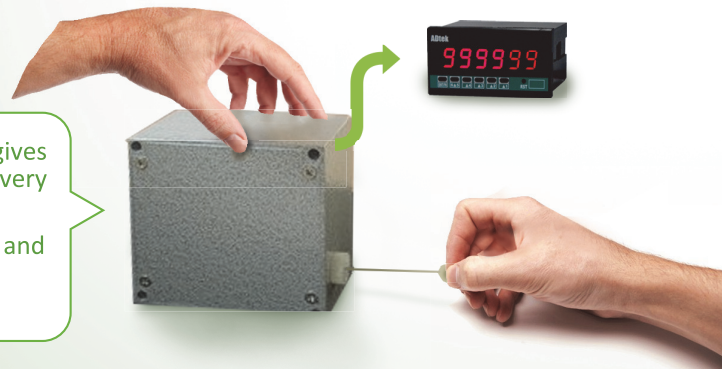
## CM1-CT series

*Economic Type Programmable Counter*  
(3 types Panel Cut: 96x48, 72x72, 48x48)

CM1-CT is a multifunction controller with one optional selection among 2 Relay Outputs, an Analogue Output and a Modbus RS485 port for communication. 2 pulse inputs can use with proximity switch, photoelectric sensor or encoder et al to execute counting (add/subtract), position control, batch and batch count for display, control and remote communication. Its versatile input mode and trigger mode setting makes it easy to meet various requirements of counting and controlling.



Linear position sensor gives 100 pulses output for every 1mm movement  
Using CM1-CT to count and display the position is stable and accurate.



# CS1 / CS1 series

## 4 2/3 Digit Programmable Panel Meter

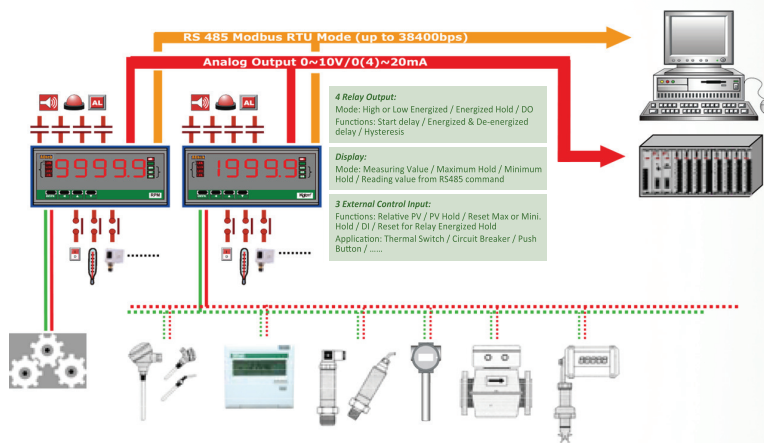
AC/DC Voltage/Current, Process Signals, Thermocouples, RTDs, Strain Gage, Potentiometers, and Resistance (2-wire), CS1 series offers versatile inputs and equip with high precision display and configurable I/O functions including a Relay Output, an Analogue output or an RS485 Modbus communication.



# CS2 / CS2 series

## Multifunctional 4 2/3 Digit Programmable Panel Meter

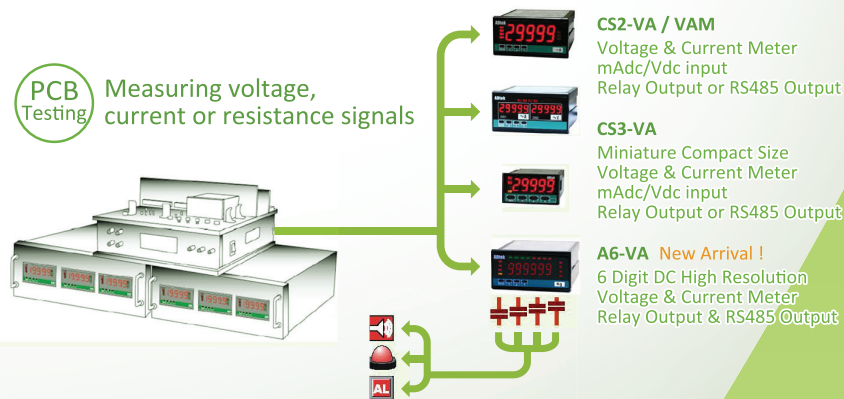
AC/DC Voltage/Current, Process Signal, Thermocouples, RTDs, Strain Gage, Potentiometers, Resistance (2-wire), CS2 series offers different types input and also equip with high precision display and configurable I/O functions including 4 Relay Outputs, 3 External Control Inputs, an Analogue Output and an RS485 Modbus communication.



# CS3 / CS3 series

## Miniature Multifunctional 4 2/3 Digit Programmable Panel Meter

Designed with ultra compact size (24 x 48mm) and high precision measurement, display, communication, CS3 series offer different types signal input including AC/DC Voltage/Current, Process Signal, Thermocouples, RTDs, Strain Gage, Potentiometers and Resistance (2-wire).



MEASUREING/INPUT		MODEL				
A/B DIVISIONS		POWER SYSTEM APPLICATION				
VOLTAGE CURRENT	Meters	CSMS-321	CSN-VA	CM1-VA		
		CS1-VA	CS2-VA	CS3-VA		
		VAM	A6-VA			
	Transducer	CA/CV-12	CA/CV-33	2A/2V	2C	
		MT-VI	NT-VA	AT-VA	ST-VA	
FREQUENCY	Meters	CSN-F	CM1-F	CS1-F	CS2-F	
	Transducer	CF	MT-FD	ST-RL		
WATT VAR	Meters	MW-5A	MWH-10A	MWH-8W	VAW	
	Transducer	CW/CQ	CWQ	2W/2Q		
		CWHW	CQHQ	CWH/CQH	CWQH	
Power Factor Phase Angle	Meters	MPF-5A				
	Transducer	CPF/CPA				
Amp-Hr	Meters	CS2-TM				
	Transducer	MT-DF				
Multifuction Measurement	control ler	VAW	CPM-10	CPM-20 multifunction power meter	CPM-70/80 multifunction power meter	MWH-08W wall-mounting digital energy meter
	Transducer	CPT multifunction power tranducer				
A/B DIVISIONS		ACCESSORY IN POWER SYSTEM				
Current	Accessory	UA-SHT	UA-CTR	UA-CTS		
		US-CTS	US-CTA	US-CTB		
C/D DIVISIONS		PROCESS CONTROL APPLICATION				
Process (0~10V/4~20mA)	Meters	CSMS	CSN-PR	CM1-PR	TB	TC
		CS1-PR	CS2-PR	CS2-TM	CS3-PR	VAM
		A6-PR				
	Converters	MT-VI	MT-CL	NT-VA	ST-PR	ST-LC
		AT-PR	SD-PR	SD-CL	PA-MTS	
Temperature (RTD / TC)	Meters	CSMS	CSN-T	CST-321M	CST-321S	
		TB	TC	CS1-T	CS2-T	VAM
	Converters	MT-RTD	MT-TC	NT-TR	NT-TC	
		AT-TR	AT-TC	ST-T	PA-MTS	
		SD-T	TT	TTX		
Strain Guage/Load Cell (mV/V)	Meters	CSN-SG				
		CS1-SG	CS2-SG	CS3-SG	A6-SG	A7-SG
	Converters	MT-SG	NT-SG	AT-SG		
		ST-SG	ST-LC			
Potentio-Meter (Potentiometer-3 wire)	Meters	CSN-PM				
		CS1-PM	CS2-PM	CS3-PM	VAM	
	Converters	MT-RT	NT-PM	AT-PM	ST-PM	ST-LC
Resistance (Resistance-2 wire)	Meters	CSN-RS				
		CS1-RS	CS2-RS	CS3-RS		
	Converters	MT-RT	NT-RS	AT-RS	ST-RS	ST-LC
AMP-Hr./Totalizar/ Batch/Rate (mA/V; Pulse)	Meters	CSN-H	CM1-CT			
		CS1-RL	CS2-RL	CS2-TM	CS2-CT	CS2-MC
	Converters	MT-FD	MT-DF	MT-FF	ST-RL	
RPM/Linearly Speed (Pulse)	Meters	CSN-H	CM1-RL			
		CS1-RL	CS2-RL	CS2-TM		
	Converters	MT-FD	MT-FF	ST-RL		
Counter/Length (Pulse)	Meters	CM1-CT	CS2-CT	CS2-MC	CS2-TM	
	Converters	MT-FF				
E DIVISIONS		SENSING TRANSDUCERS APPLICATION				
Sensing Transducers	Temperature	TH	TS	TR	HTS	HTP
	Humidity	HTS	HTP			
	Pressure	PS	PU/PD			
	Level Sensor	LS				
	Flow Meter	WS				
	CO2	CO2				
	Strain Guage	LCA	LCB	LCS	LCW	
	RPM/SPEED	SP1	SP2	PE1	PE3	ED1
	Limit/Safety	PE2				
	DIN-Rail DC Power Supply	CSP-2	CSP-3			
Accessory	CFI					
F DIVISIONS		RECORD				
Data-logger	Meters	DL1S	ADPro software			
G DIVISIONS		NETWORK CONVERTERS				
NETWORK converter	ETHERNET	PL-SNET	PL-TNET	PL-DNET	PL-ANET	PL-RNET
NETWORK converter	RS232/422/485	PL-STC	PL-STU	PL-DTS	PL-ATS	PL-RTS
		PA-MTS				



# A6/A7 / **A6/A7 series** Weighing Controller

Strain Gauge weighing Controller equip with 6-digit, high resolution (24bitA/D) and versatile I/O functions interface which is used for a wide variety of process weighing applications including filling and dispensing. Especially zero tracking and Motion detection functions can overcome zero shifting and dynamic dithering (dynamic jitter). All of these features combine to make it a powerful solution for weighing systems and process control systems

Feeding System  
According to the required formula, the ingredients are accurately fed into a scale, where they are precisely weighed by A6-SG.



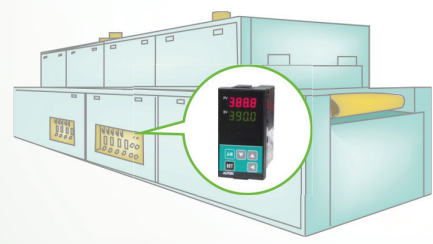
A6-SG provides 4 External Control Inputs and multiple I/O functions including 4 Relay Outputs, RS485 communication port and Analogue Output.

A7-SG provides a selection of 8 External Control Inputs, 8 Relay Outputs modules, RS485 and RS232 communication interface, Analogue Output, and BCD Output module.



# TC / **TC series** 4 Digit PID Controller

Measuring T/C, PT 100Ω, mA or Vdc  
Accuracy: ± 0.5% of full scale  
Display range: -1999~9999  
Auto / manual output in standard function  
Optional functions including heating/ cooling control and Analogue Output



Temperature control in process equipment



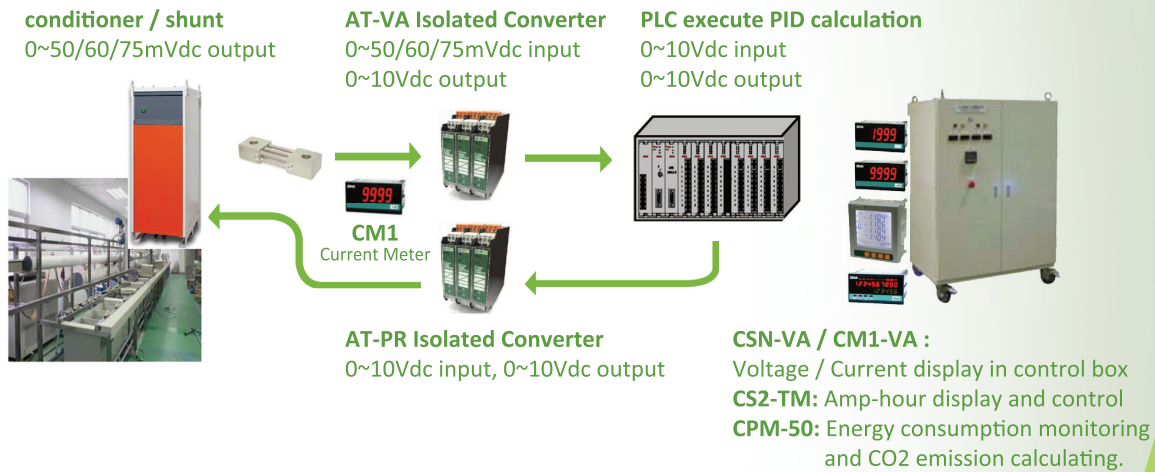
Temperature control in heated water tank

# AT / **AT series** Isolated Converter & Distributor (17.5mm Slim type)

AT series provides wide spectrum of signals converting and isolating, such as 4~20mA, 0~10V, Thermocouples (K, J, E, T type), RTDs (PT 100Ω), strain gage, Potentiometers (3-wire), Resistance (2-wire), AC voltage and AC current. Slim type design with LED light indicators for power, input and output on the top panel; moreover, its plug-pull type wiring terminal make it easier for checking.



## PCB Plating Equipment



# MT / **MT series** Isolated Converter & Distributor (DIN-rail mounting)

MT series provide wide spectrum of signals converting and isolating including 4-20mA, 0-10V, Thermocouples (K, J, E, T type), RTDs (PT 100Ω), Strain Gauge, Potentiometer (3-wire), Resistor (2-wire) and Frequency.



MT is used for signal converting and isolating



# ST / **ST series** LED Multifunction Signal Converter

ST series provide wide spectrum of signals converting and isolating including 4-20mA, 0-10V, Thermocouples (K, J, E, T type), RTDs (PT 100Ω), Strain Gauge, Potentiometer (3-wire), Resistor (2-wire) and Frequency.

With setting keys and LED display in front.

Equip with an RS485 Modbus communication, an Analogue Output and a Relay Output or Excitation Power Output.



ST series combine signal measuring, converting, isolating and controlling.



# SENSING TRANSDUCER

Provide wide spectrum of measurements including temperature, humidity, pressure, current, proximity, photoelectric et al for industrial applications and automatic production line such as transportation, plastics, metallurgy, chemical industry, textile industry, tobacco, foodstuffs, printing industry et al.



# CSP-2 / **CSP-2 series** DC POWER SUPPLY

Provide wide range selectable to meet various applications  
230K~300Khr. MTBF

RoHs version in option

Compact size with DIN rail mounting

# PL / **PL series** Network Converter

PL series is a Network converter, converting the data into digital signals through Modbus RTU or Modbus/TCP protocol. Equip with ASIX processor, 16-bit resolution of A/D, 8 channel Analogue Inputs and 2 Digital Outputs.

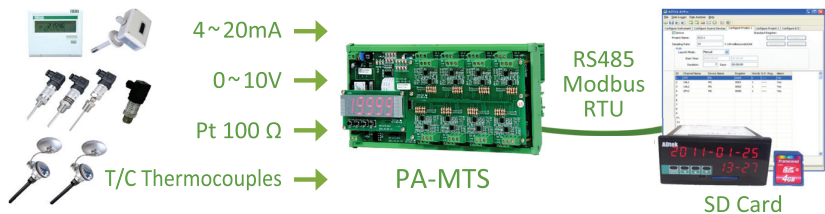


# PA / **PA series** Multi-Channel Converter

Provide 8 channels or 16 channels Analogue Input converting to a Modbus RS485 Output. Optional isolation for each channel is available as well. Equip with Microchip DS PIC and multiple inputs, PA-MTS makes it easier for data acquisition and controlling.



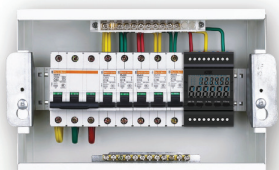
### Data Acquisition and Record



Provide 8/16 channels multiple inputs converting to RS485 communication for centralized data acquisition of testing equipment, mechanical controlling equipment and cold storage equipment.

# AEM-DR / **W/ PATENT** Multi-Circuit Power Meter

Provide high accuracy measurement of single phase & three-phase parameters (V, A, P, Q, S, PF, Hz, WH). Equip with 5 relay outputs module and a Modbus RS485 communication in options for the needs in energy management, alarming and remote controlling. In addition, its DIN-rail mounting is ideally installed in a switchboard where the space is limited.



**AEM-DR DIN-rail Multi-Circuit Power Meter**  
Measure V, A, Hz, P, Q, S, KWH for Commercial Building, Dormitory illumination, socket et al. Compact size is ideally fit indoor switchboard.

Distributor:  
SYSCOM 02 SRL Bucuresti  
TEL/FAX: 021 410 5281; Mobil: 0722 725 659  
e-mail: syscom02@automatizariindustriale.ro  
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