



Digital Panel Meters

- DC or AC Current and Voltage
- Temperature and Resistance
- Frequency and Speed



Control



What is and Why use the Digital Panel Meter

In the manufacturing industry and in the process control applications, it is of vital importance the monitoring and the control by means of alarms of several physical variables. In addition analogue or serial retransmission of the measured value can be required in order to provide a feedback to the system which controls the process, or to log the history of the monitored plant. Whatever are your needs and requirements in the process you have to control, Carlo Gavazzi has the right solution.

Should you need a simple indicator, a controller for every kind of variable, or a more complex instrument - able for example to manage four alarms, to be connected in a RS485 network, to linearise the non-linear input signals and to show different conditions with different display colours - we have the panel meter that better suits your demands. The range is completed with a universal signal conditioner, whose flexible and advantageous modular architecture is common to the other medium and high-end panel meters.



The characteristics

Wide range of available inputs for all the applications: voltage, current, frequency, resistance, temperature.

Modular architecture available in the medium and high-end meters, making them flexible and easy to configure.

Different type of outputs available to retransmit the measured variable: analogue signal, alarm contacts or serial port

Easy programmability by means of a handy keypad. The more complex instruments are configurable by means of dedicated software tool

3, 3 1/2 or 4-digit LED display with alarm and over range indication.

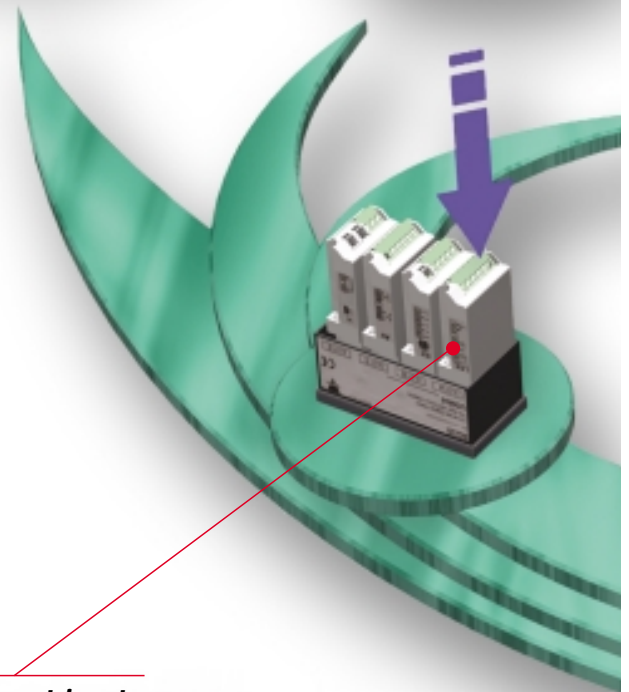
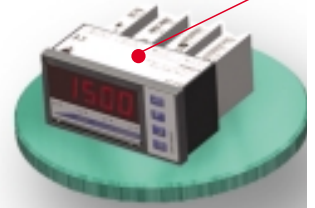
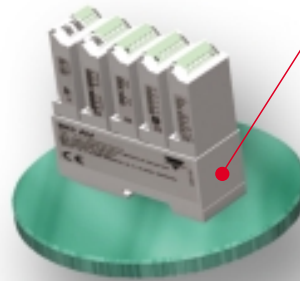




USC: 5-slot module holder

A new concept of Modularity

- *Maximum in-field flexibility*
- *Quick assembly and configuration*
- *Easy future expansion*



Measurement inputs

0.2-2-20mA AC/DC
0.2-2-20mA AC/DC + excitation output
0.2, 2, 5A AC/DC; 20, 200, 500V AC/DC
TC: J-K-S-T-E, Pt100-250-500-1000, Ni100
 Ω : 0.02, 0.2, 2, 20k Ω

**UDM35: 3 1/2-digit read-out,
or 3-digit + dummy 0 read-out**

**UDM40: 4-digit
read-out, 3-colour display**

Display Base

Power Supply

90 to 260V AC/DC
18 to 60V AC/DC

Communication Port

RS485 and RS232 ports

Outputs

Analogue outputs:
Max 1 analogue output
0 to 20mA and 0 to 10VDC

Alarm outputs:
1 relay output
2 relay outputs
2 relay + 2 open collector outputs
4 relay outputs.



Features and Benefits of the Digital Panel Meters

DI3 DIN, DI3 72, LDI3

- Indicators for DIN-rail and panel mounting
- Multi input capabilities
- Easy product configuration

MDM40

- Two-alarm tachometer
- Dual input and multifunction capability
- Management of all available sensors
- Reverse speed control

LDI35, LDM35H

- Multi range and multi signal indicator and controller
- Powerful scaling capability
- Universal power supply (LDM35H only)

UDM35

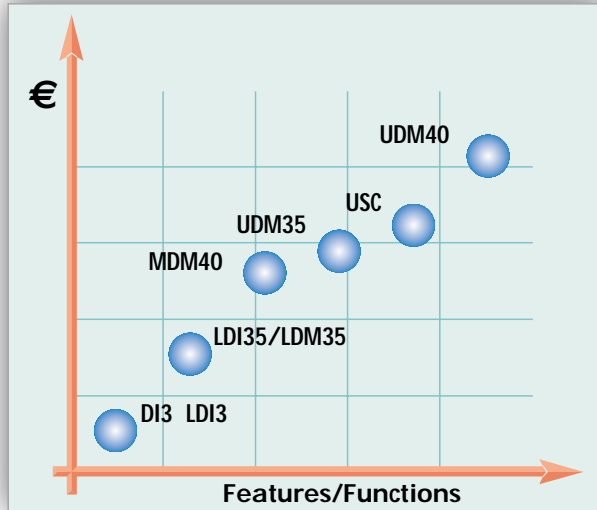
- Powerful performance
- Plug and play modules
- Maximum in-field flexibility
- Possibility to expand the inputs/outputs only when really needed by the application

UDM40

- State of art performances
- Maximum in-field flexibility
- Input signal linearization capability
- 3-colour display

USC

- Universal signal conditioner
- Maximum in-field flexibility
- Input signal linearization capability
- Programming and network software



UDM40 Color Display

RED - High priority, abnormal condition

AMBER - Low priority, abnormal condition

GREEN - Normal condition



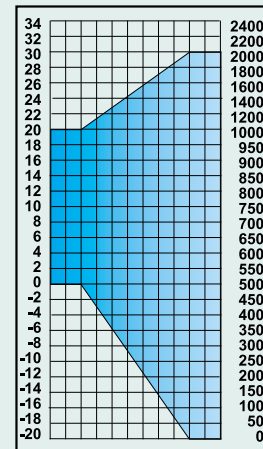
DI3 DIN, DI3 72, LDI3

The instruments are easily configurable by dip-switches. That allow to set the position of the decimal point and the primary of the current transformer or to connect the potential transformer.



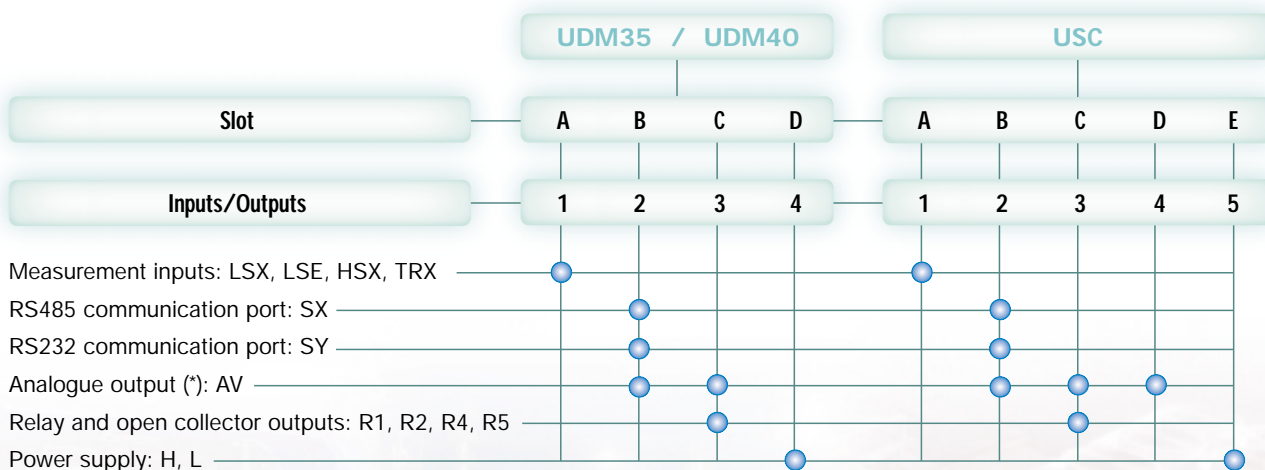
LDI35, LDM and UDM

In the process control applications, it is a mandatory condition to be able to manage signals such as "mA and volts" which are proportional to pressure or other variables being measured. The LDI35/LDM/UDM series answers to this request with **powerful scaling and filter** in order to show the variable in a stable and reliable way on the display.



The available modules

Type	Channels	UDM35	UDM40	USC	OrderingCode
UDM35 base		●			BD35
UDM40 base			●		BD40
USC base				●	BDXX
AC/DC inputs: 200µA, 2mA, 20mA, 200mV, 2V, 20V	1	●	●	●	BQLSX
AC/DC inputs: 200µA, 2mA, 20mA, 200mV, 2V, 20V + excitation output	1	●	●	●	BQLSE
AC/DC inputs: 200mA, 2A, 5A, 20V, 200V, 500V	1	●	●	●	BQHSX
Inputs: 20Ω, 200Ω, 2kΩ, 20kΩ; TC: J-K-S-T-E, Pt100-250-500-1000, Ni100	1	●	●	●	BQTRX
Analogue output: 0 to 20mA, 0 to 10V DC	1	●	●	●	BOAV
Relay output	1	●	●	●	BOR1
Relay output	2	●	●	●	BOR2
Outputs: 2 relays + 2 open collectors	4	●	●	●	BOR4
Relay output	4	●	●	●	BOR5
RS485 communication port	1	●	●	●	BRSX
RS232 communication port	1	●	●	●	BRSY
18 to 60V AC/DC power supply		●	●	●	BPL
90 to 260V AC/DC power supply		●	●	●	BPH



(* Note: Max one analogue output module)



D13 DIN
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D13 72
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LD13
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LD135
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	D13 DIN	D13 72	LD13	LD135
DIN rail mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Panel mounting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Modular	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indicator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Controller	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3-colour display	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signal conditioner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linearization capability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi input (A-V)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature measurement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tachometer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command inputs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Up to 1 alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Up to 2 alarms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Up to 4 alarms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analogue output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serial communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Universal power supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





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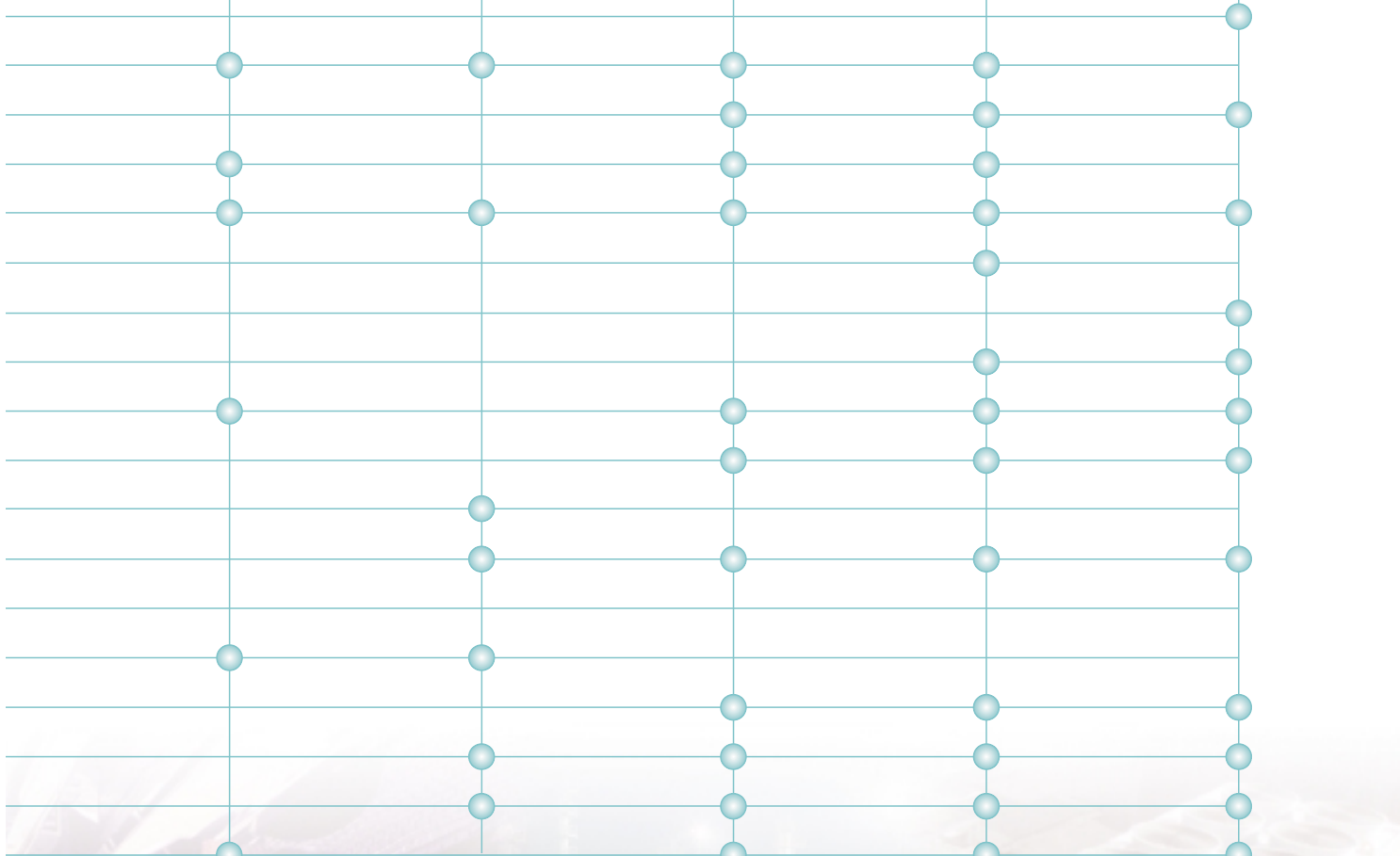
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DI3 DIN DI3 72 LDI3

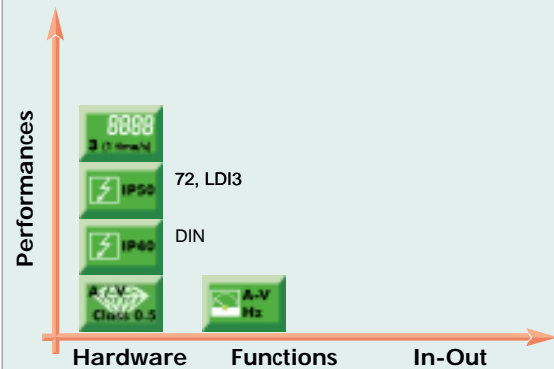
With just four basic models this product family is the ideal solution for the panel builders.

The product philosophy meets the panel builder and distributor requests in terms of features and flexibility granting therefore a consistent stock reduction.

DI3 DIN DI3 72 LDI3

Description	3-DGT μ P-based indicator
Housing (H x W x D)	89 x 53.5 x 58.8 mm (DIN) 72 x 72 x 75 mm (72) 48 x 96 x 83 mm (LDI3)
Mounting	DIN rail, panel mounting (72, LDI3)
Display type	3 DGT, red LED
Variables on display	YES
Measured signals	1A/60mV/100-500VDC 1A/100VAC, 5A/500VAC 1 to 1000Hz
Type signals	DC or AC
Engineering units	mA, A, V, Hz
Accuracy	$\pm(0.5\%FS, + 1DGT)$
Temperature drift	$\pm 350ppm/^{\circ}C$
Sampling rate	1 time/s
Command inputs	NO
Outputs:	
Alarm	NO
Analogue	NO
Serial	NO
Signal/display scaling	YES (CT and PT sel. by dip-switch)
Power supply	24V, 48V, 115V, 230V AC
Approvals	CE, DI3 72:c CSA us; LDI3: c CSA us, UR
Protection degree	IP40 (DIN); IP50 (72), IP50 (LDI3), IP65 (LDI3 on request)

The best to suit your needs!





LDI35

The family is available in two basic versions:

- LDI35, simply as indicator;
- LDI35, up to 1 alarm relay output.

On each basic model it is possible to have a specific version for:

- process applications with 2-20mA and 0.2-20V-200V input;
- panel builders with 2-5A and 200-500VAC/DC input.



The range is completed by a multi probe temperature controller and ohmmeter.

LDI35

Description	3 1/2-DGT μ P-based indicator and controller
Housing (H x W x D)	48 x 96 x 83 mm
Mounting	Panel mounting
Display type	3 1/2-DGT or 3DGT+ dummy 0, red LED
Variables on display	YES
Measured signals	(2-20mA, 20-200V); (2-5A, 200-500V); (TC: J-K-S-T-L, Pt100-1000, Ni100, 200-2000 Ω)
Type signals	DC and AC
Engineering units	Label set
Accuracy	DC: $\pm(0.3\%FS + 1DGT)$ AC: $\pm(0.5\%FS + 1DGT)$
Temperature drift	$\pm 200ppm/^{\circ}C$
Sampling rate	4 times/s
Command inputs	NO
Outputs:	
Alarm	Up to 1
Analogue	NO
Serial	NO
Other available characteristics	Signal/display scaling. Digital filter, Peak and valley. Burn-out control on temperature input
Power supply	24, 48, 115, 230VAC, 9 to 32VDC, 40 to 150VDC
Approvals	CE, c CSA us, UR
Protection degree	IP65 (on request)

The best to suit your needs!





LDM35H

The family is available in two basic versions:

- LDM35H, simply indicator;
- LDM35H, up to 2 alarm relay outputs.

Both of them provided with universal power supply.

On each basic model it is possible to have a specific version for:

- process applications with 0.2-2-20mA and 0.2-2-20V DC/AC input;



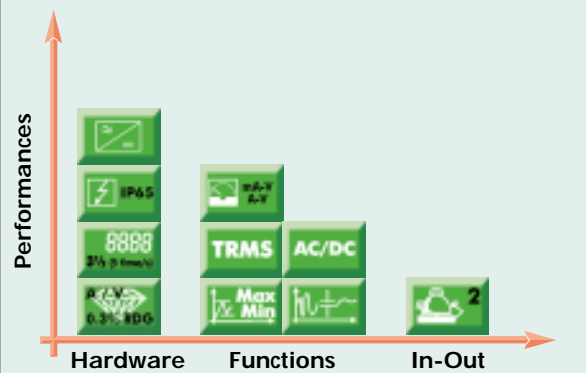
LDM35H

Description	3 1/2-DGT μ P-based indicator and controller
Housing (H x W x D)	48 x 96 x 83 mm
Mounting	Panel mounting
Display type	3 1/2-DGT or 3-DGT + dummy 0, red LED
Variables on display	YES
Measured signals	(0.2-2-20mA, 0.2-2-20V); (0.2-2-5A, 20-200-500V)
Type signals	DC and AC TRMS
Engineering units	Self sticking label set
Accuracy	DC: $\pm(0.3\%RDG + 3DGT)$ AC: $\pm(0.5\%RDG + 3DGT)$
Temperature drift	$\pm 150ppm/^{\circ}C$
Sampling rate	5 times/s
Command inputs	NO
Outputs:	
Alarm	Up to 2
Analogue	NO
Serial	NO
Other available characteristics	Signal/display scaling. Digital filter, Peak and valley.
Power supply	90 to 260V AC/DC, 18 to 60V AC/DC
Approvals	CE, c CSA us and UR pending
Protection degree	IP65

- panel builders with 0.2-2-5A and 20-200-500V AC/DC input.

Furthermore TRMS method improves significantly the accuracy of the measurement on both distorted current and voltage.

The best to suit your needs!





MDM40

MDM40 tachometer is an extract of flexibility and performances in only one product.

This instrument is suitable to be used in all applications thanks to:

- the capability to measure a very slow speed/frequency (0.001 Hz);
- the management of pulse signals from proximity switches,

MDM40

Description	4-DGT multi-range controller for pulse signal
Housing (H x W x D)	48 x 96 x 124 mm
Mounting	Panel mounting
Display type	4 DGT, red LED
Variables on display	YES
Measured signals	Speed, frequency, rate, period
Type signals	DC or AC
Engineering units	Label set
Accuracy	±(0.001% RDG + 3DGT)
Temperature drift	±100ppm/°C
Sampling rate	Programmable
Command inputs	1 (display hold, key pad lock)
Outputs:	
Alarm	2
Analogue	1 (20 mA, 10 VDC)
Serial	RS485
Other available characteristics	Signal/disp. and analogue out. scaling. Digital filter. Peak and valley.
Power supply	24,48,115,120,230,240 VAC 9 to 32, 40 to 150 VDC
Approvals	CE, UR
Protection degree	IP65

photo switches, NAMUR proximities, encoders and magnetic pick-up's;

- the rate-tacho-frequency-period meter functions.

The two independent inputs, with proper parameter programming are able to measure rate, speed, frequency and period variables using mathematical formulas like: A, B, 1/A, A/B, A-B, (A-B)/B, B/(A+B) and revers speed control.





UDM35

UDM 35 is a universal high-tech instrument that has been developed to meet the most advanced application needs. UDM35 offers to the user many solutions and advantages that can be summarized in:

- quick assembly and maintenance using plug and play modules;
- easy and quick parameter programming and parameter cloning on other UDM's by means of UdmSoft or PC Hyperterminal;



UDM35

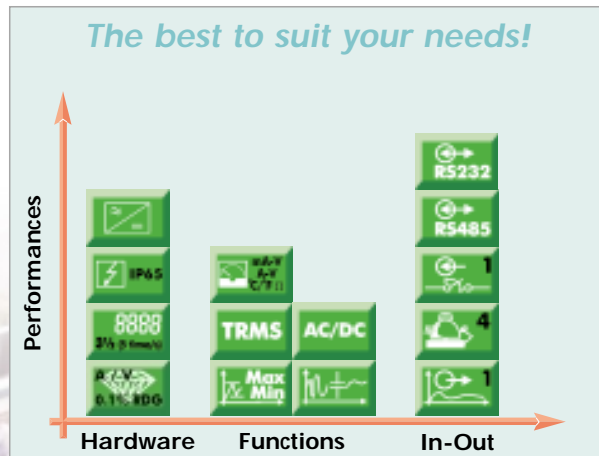
Description	3 1/2-DGT μ P-based controller with modular housing
Housing (H x W x D)	48 x 96 x 105 mm
Mounting	Panel mounting
Display type	3 1/2-DGT or 3-DGT + dummy 0, red LED
Variables on display	YES
Measured signals	(0.2-2-20mA, 0.2-2-20V); (0.2-2-5A, 20-200-500V); (TC: J-K-S-T-E, RTD, Ω)
Type signals	DC and AC TRMS
Engineering units	Self sticking label set
Accuracy	DC: $\pm(0.1\%RDG + 3DGT)$ AC: $\pm(0.3\%RDG + 3DGT)$
Temperature drift	$\pm 150ppm/^{\circ}C$
Sampling rate	5 times/s
Command inputs	1 (display hold, key pad lock or latch alarm reset)
Outputs:	
Alarm	Up to 4
Analogue	1 (20mA, 10VDC)
Serial	RS485, RS232
Other available characteristics	Signal/display scaling. Analogue output scaling. Digital filter, Peak and Valley. Burn-out control on temperature inputs only.
Power supply	90 to 260 AC/DC, 18 to 60V AC/DC
Approvals	CE; c CSA us and UR pending
Protection degree	IP65

- powerful variable control by means of up to 4 alarms;
- remote control facilities like analogue output and RS485, RS232 communication ports.

The different type of alarm controls:

- up-down functions with automatic reset;
- up-down functions with manual reset;
- down with disable function at power-on.

These alarms can be combined so to have up to 4 abnormal steps notified as pre-alarms and alarms.





UDM40

UDM40 has the same basic characteristics of UDM35. Other benefits can be summarized as follows:

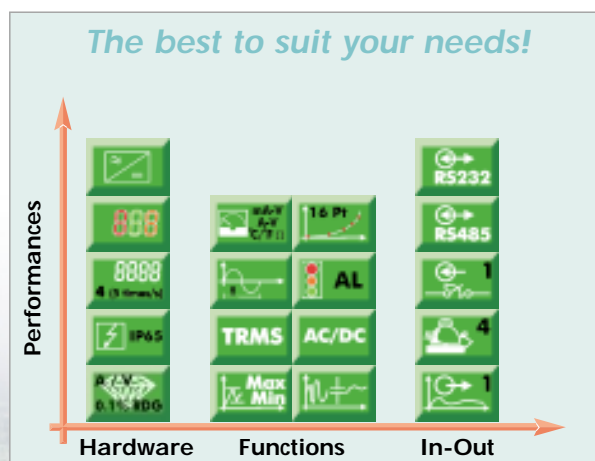
- display colour adaptable to other existing instruments by means of a 3-colour choice;
- management of non linear signals coming from special process transmitters using a 16-point linearization capability;
- reliable information to the process, working out a complex or disturbed signal by a programmable input integration time and/or a smart digital filter.



Controller UDM40

Description	4-DGT μ P-based controller with modular housing
Housing (H x W x D)	48 x 96 x 105 mm
Mounting	Panel mounting
Display type	4-DGT, colour LED
Variables on display	YES
Measured signals	(0.2-2-20mA, 0.2-2-20V); (0.2-2-5A, 20-200-500V); (TC: J-K-S-T-E, RTD, Ω)
Type signals	DC and AC TRMS
Engineering units	Self sticking label set
Accuracy	DC: $\pm(0.1\%RDG + 3DGT)$ AC: $\pm(0.3\%RDG + 3DGT)$
Temperature drift	$\pm 150ppm/^{\circ}C$
Sampling rate	5 times/s
Command inputs	1 (display hold, key pad lock or latch alarm reset)
Outputs:	
Alarm	Up to 4
Analogue	1 (20mA, 10VDC)
Serial	RS485, RS232
Other available characteristics	Signal/display scaling. Analogue output scaling. Digital filter. Integration time. Peak and valley. Burn-out control on temp. inputs only. Linearization. Traffic lights function.
Power supply	90 to 260 AC/DC, 18 to 60V AC/DC
Approvals	CE; c CSA us and UR pending
Protection degree	IP65

Alarm status given at a glance using the easy traffic lights principle. The instrument may show the alarm status based on a sequence of colours that can be programmed by the user.





USC

The winning point of the USC "Universal Signal Conditioner" is its architecture. It is formed by a module holder on which it is possible to plug in modules with different purposes: power supply-measurement-alarm-control-signal retransmission. The different combination of the modules allows to have a simple signal conditioner or a very sophisticated controller with communication port. The main advantages given by USC can be summarized as follows:

Signals conditioner USC

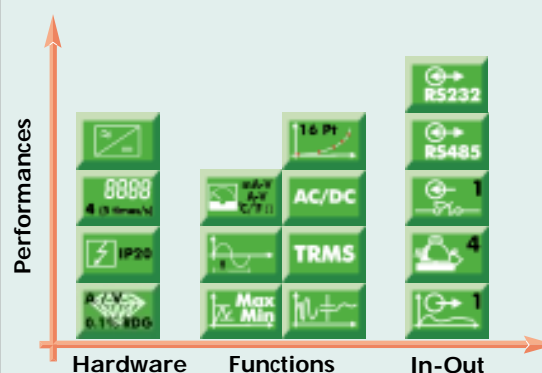
Description	µP-based signal conditioner with modular housing
Housing (H x W x D)	44 x 113 x 107 mm
Mounting	DIN-rail mounting
Display type	NO
Variables on display	NO
Measured signals	(0.2-2-20mA, 0.2-2-20V); (0.2-2-5A, 20-200-500V); (TC: J-K-S-T-E, RTD, Ω)
Type signals	DC and AC TRMS
Engineering units	NO
Accuracy	DC: ±(0.1%RDG + 3DGT) AC: ±(0.3%RDG + 3DGT)
Temperature drift	±150ppm/°C
Sampling rate	5 times/s
Command inputs	1 (latch alarm reset)
Outputs:	Alarm Up to 4 Analogue 1 (20mA, 10VDC) Serial RS485, RS232
Other available characteristics	Signal/display scaling. Analogue output scaling. Digital filter. Integration time. Peak and valley. Burn-out control on temp. inputs only. Linearization up to 16 points.
Power supply	90 to 260 AC/DC, 18 to 60V AC/DC
Approvals	CE: c CSA us and UR pending
Protection degree	IP20



The LEDs on modules show the power supply and communication status all the time.

- easy and quick parameter programming and parameter cloning on other USC's by means of UscSoft or PC Hyperterminal;
- powerful variable control by means of up to 4 alarms;
- remote control facilities like analogue output and RS485, RS232 communication ports;
- management of non linear signals coming from special process transmitters using a 16-point linearization capability;
- reliable information to the process, working out a complex or disturbed signal by a programmable input integration time and/or smart digital filter.

The best to suit your needs!



Accessories

Types	SIU-PC85	SIU-DIN 8585	SIU-DIN.RLY	PSU-DIN (DC/AC)	PSU-DIN (AC/DC)
Description	Serial communication line adapter	Serial communication line amplifier, driver	Serial communication relay outputs	Power supply unit DC to AC	Power supply unit AC to DC
Housing	Front: 65x80mm	Front: 89x71.5mm	Front: 89x71.5mm	Front: 89x71.5mm	Front: 89x71.5mm
Signal input	RS232	RS485, RS422	RS485, RS422	N.A.	N.A.
Working mode	2-wire comm.	2 or 4-wire comm.	2 or 4-wire comm.	N.A.	N.A.
Line Bias	N.A.	YES	N.A.	N.A.	N.A.
Line termination	N.A.	YES	YES	N.A.	N.A.
Connections	9-pole, female	Screw terminal block	Screw terminal block	Screw terminal block	Screw terminal block
Output	RS422 RS485	RS422	4 relays 5A, 250V	24VDC (max. 250mA) 48VDC (max. 125mA) 115VDC (max. 50mA)	5VDC (max. 200mA) 12VDC (max. 100mA) 24VDC (max. 50mA)
Working mode	4-wire comm.	4-wire comm.	SPDT contacts	Switching mode	By transformer
Line Bias	YES	YES	N.A.	N.A.	N.A.
Line termination	YES	YES	N.A.	N.A.	N.A.
Connections	Screw terminal block	Screw terminal block	Screw terminal block	Screw terminal block	Screw terminal block
Baud rate	Max 19200 Baud	Max 19200 Baud	Max 9600 Baud	N.A.	N.A.
Protection	All inputs/outputs	All inputs/outputs	N.A.	Output: by fuse	Output: electronic
Indication (by means of LEDs)	Power-on Data-stream	Power-on	Power-on Comm. status Output status	Power-on	Power-on
Insulation	Input/output: 2kV input/output and power supply: 4kV	Input/output: N.A. input/output and power supply: 4kV	Input/output: 2kV input/output and power supply: 4kV	N.A.	Input/output: 4kV
Operating temperature	0 to +50°C (R.H. ≤90% non condensing)	0 to +50°C (R.H. ≤90% non condensing)	0 to +50°C (R.H. ≤90% non condensing)	0 to +50°C (R.H. ≤90% non condensing)	0 to +50°C (R.H. ≤90% non condensing)
Storage temperature	-10 to +60°C (R.H. ≤90% non condensing)	-10 to +60°C (R.H. ≤90% non condensing)	-10 to +60°C (R.H. ≤90% non condensing)	-10 to +60°C (R.H. ≤90% non condensing)	-10 to +60°C (R.H. ≤90% non condensing)
Included set	1.8m cable with 9 to 9-pole connectors, power supply cable	N.A.	N.A.	N.A.	N.A.
Other characteristics	Wrong-line connection and full overvoltage protection. Reverse conversion capability.	Dual purpose: distance increase by 1200m per unit; network increase	4 relay outputs to be driven by an RS485 communication port	Stabilised AC voltage output. Stability: ≤4% Un @ max. current	Stabilised DC voltage output. Stability: ≤0.5% Un @ max. current Non-stabilised DC voltage outputs: 2V-20V-30VDC
Power supply input	24VAC, 48VAC 115VAC, 230VAC	24VAC, 48VAC 115VAC, 230VAC	24VAC, 48VAC 115VAC, 230VAC	80 to 240VDC 18 to 60VDC 9 to 16VDC	24VAC, 48VAC 115VAC, 230VAC
Protection degree	IP20	IP40	IP40	IP40	IP40





Current Transformer

















Types	TADK	TADK2	TAD 2	TAD 3	TAD 4
Class	0.5	0.5	0.5/ 1/ 3	0.5/ 1	0.5/1
Bus-bar size	Wounded primary	25x5 mm fixed bar	Ø 22 mm	21x14 or 31x11 mm	32x16, 41x11, Ø 32 mm
Dimensions (HxWxD)	115.5x75x44 mm	115.5x75x44 mm	98.5x58x44 mm	98.5x58x44 mm	75x115.5x44 mm
Standards	IEC 60185/EN 60185	IEC 60185/EN 60185	IEC 60185/EN 60185	IEC 60185/EN 60185	IEC 60185/EN 60185
Accuracy class depending on the burden output	Class 0.5 Burden VA	Class 0.5 Burden VA	Class 0.5 1 3 Burden VA VA VA	Class 0.5 1 Burden VA VA	Class 0.5 1 Burden VA VA
Primary current at rated output current of 1A/5A	1 A 10 5 A 10 10 A 10 15 A 10 25 A 10 40 A 10	1 A 10 5 A 10 10 A 10 15 A 10 25 A 10 40 A 10 50 A 10 60 A 10 80 A 10 100 A 10 150 A 10 200 A 10 250 A 10	40 A 3 50 A 3 60 A 3 80 A 3 100 A 3 4 150 A 3 4 6 200 A 3 4 6 250 A 5 8 10 300 A 5 8 10	100 A 3 150 A 3 4 200 A 3 4 250 A 5 8 300 A 5 8 400 A 6 10 500 A 6 10 600 A 6 10	100 A 3 150 A 3 200 A 4 250 A 6 300 A 6 400 A 10 500 A 10 600 A 10 800 A 10

Types	TAD 6	TAD 8	TAD 12	TACO 110	TACO 200
Class	0.5/1	0.5/1/5P10	0.5/1/5P10	0.5/1/5P10	0.5/1/5P10
Bus-bar size	55x22, 65x20, Ø 52 mm	82x32 or 65x34 mm	127x51 or 102x53 mm	Max. Ø 110 mm	Max. Ø 200 mm
Dimensions (H x W x D)	105x145x44 mm	140x120x55 mm	183x170x65 mm	183x170x 65 mm	295x280x45 mm
Standards	IEC 60185/EN 60185	IEC 60185/EN 60185	IEC 60185/EN 60185	IEC 60185/EN 60185	IEC 60185/EN 60185
Accuracy class depending on the burden output	Class 0.5 1 Burden VA VA	Class 0.5 1 5P10 Burden VA VA VA	Class 0.5 1 5P10 Burden VA VA VA	Class 0.5 1 5P10 Burden VA VA VA	Class 0.5 1 5P10 Burden VA VA VA
Primary current at rated output current of 1A/5A	400 A 6 12 500 A 6 12 600 A 10 20 800 A 10 20 1000A 20 40 1200A 20 40 1500A 30 60 2000A 30 60	400 A 4 8 5 500 A 6 12 5 600 A 10 20 5 800 A 15 30 5 1000A 20 40 5 1200A 30 50 5 1500A 40 60 5 2000A 50 80 5 2500A 60 100 5	800 A 15 30 10 1000A 20 40 10 1200A 30 60 10 1500A 40 80 10 2000A 50 100 10 2500A 60 120 10 3000A 80 160 10 4000A 100 200 10	800 A 15 30 10 1000A 20 40 10 1500A 40 80 10 2000A 50 100 10 2500A 60 120 10 3000A 80 160 10 4000A 100 200 10	1000A 15 30 10 1500A 15 30 10 2000A 15 30 10 2500A 40 80 10 3000A 40 80 10 4000A 50 100 10 5000A 50 100 10 6000A 50 100 10

Cable/Bus-bar type current transformers. Standard output 5A (1A on request). Rated primary currents from 40A to 6000A. DIN-rail or panel mounting. Current transformer 1-phase AC; operating frequency: 40 to 60 Hz; max system voltage: 0.72 kV; rated insulation level: 3kV/1min @ 50Hz; security factor: ≤5; rated secondary current: 5A standard (1A on request).



A full range of split-core current transformers is available from 100A to 6000A

Accuracy of the main variables	
Front housing protection degree	
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Pulse measuring input	
Peak and valley function	
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Integration time	
Linearization	
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Analogue output for variable retransmission	
Alarm outputs for variable control	
Digital inputs for external command	
Communication port	

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