

DI

Технические характеристики

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Panel Meters and Controllers

DC Ammeter and Voltmeter

Type DI3-DIN AV6



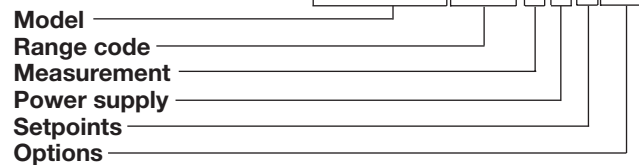
- 3-dgt μ P-based indicator for DC currents or voltages
- Selectable input range
- DIN-rail mounting
- Degree of protection (front): IP 40

Product Description

3-dgt μ P-based meter with double input for DC currents or voltages. With 18 selectable input ranges. The housing is for DIN-rail mounting and ensures a degree of protection (front) of IP 40.

Ordering Key

DI3-DINAV6DD0XX



Type Selection

Power supply

- A:** 24 VAC, -15% +10%, 50/60 Hz ¹⁾
- B:** 48 VAC, -15% +10%, 50/60 Hz ¹⁾
- C:** 115 VAC, -15% +10%, 50/60 Hz ¹⁾
- D:** 230 VAC, -15% +10%, 50/60 Hz (standard) ¹⁾ On request

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

Input Specifications

Rated input	1 A/60 mV/100 V/500 VDC
Overload protection	
Cont. Current:	1.2 x rated input
Voltage:	1.2 x rated input
For 1 s Current:	5 x rated input
Voltage:	2 x rated input
Accuracy (@ 25°C \pm 5°C, R.H. \leq 60%)	\pm 0.5% f.s., \pm 1 dgt
Temperature drift	\pm 350 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication	
Max.	999
Min.	-99
Over range	EEE
Under range	-EE
Input range selection	DIP-switch selectable
Decimal point position	DIP-switch selectable

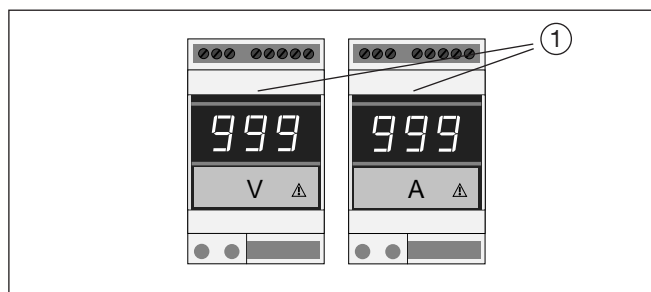
General Specifications

Operating temperature	0° to 50°C (32° to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10° to 60°C (14° to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{rms} to ground
Dielectric strength	4000 V _{rms} for 1 minute
Noise rejection	
NMRR	40 dB, 40 to 60 Hz
CMRR	100 dB, 40 to 60 Hz
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1
Safety standards	EN 61 010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing	
Dimensions	89 x 53,5 x 58.5 mm (3-DIN modules)
Material	ABS, self-extinguish.: UL 94 V-0
Degree of protection	Front: IP 40
Weight	Approx 200 g
Approvals	CE, CSA

Range Table

Measurement	Connection	Dec. point position	Input impedance/volt. drop	Resolution	Range code
100 V	Direct	99.9	1 MΩ	0.1 V	AV6
500 V	Direct	999	1 MΩ	1 V	AV6
1 A	Direct	999	1 V	1 mA	AV6
1.5 A	60 mV/1.5 A shunt	9.99	13 kΩ	10 mA	AV6
2.5 A	60 mV/2.5 A shunt	9.99	13 kΩ	10 mA	AV6
4 A	60 mV/4 A shunt	9.99	13 kΩ	10 mA	AV6
6 A	60 mV/6 A shunt	9.99	13 kΩ	10 mA	AV6
10 A	60 mV/10 A shunt	9.99	13 kΩ	10 mA	AV6
15 A	60 mV/15 A shunt	99.9	13 kΩ	100 mA	AV6
25 A	60 mV/25 A shunt	99.9	13 kΩ	100 mA	AV6
40 A	60 mV/40 A shunt	99.9	13 kΩ	100 mA	AV6
60 A	60 mV/60 A shunt	99.9	13 kΩ	100 mA	AV6
100 A	60 mV/100 A shunt	99.9	13 kΩ	100 mA	AV6
150 A	60 mV/150 A shunt	999	13 kΩ	1 A	AV6
250 A	60 mV/250 A shunt	999	13 kΩ	1 A	AV6
400 A	60 mV/400 A shunt	999	13 kΩ	1 A	AV6
600 A	60 mV/600 A shunt	999	13 kΩ	1 A	AV6
1000 A	60 mV/1000 A shunt	999	13 kΩ	1 A	AV6

Front Panel Description



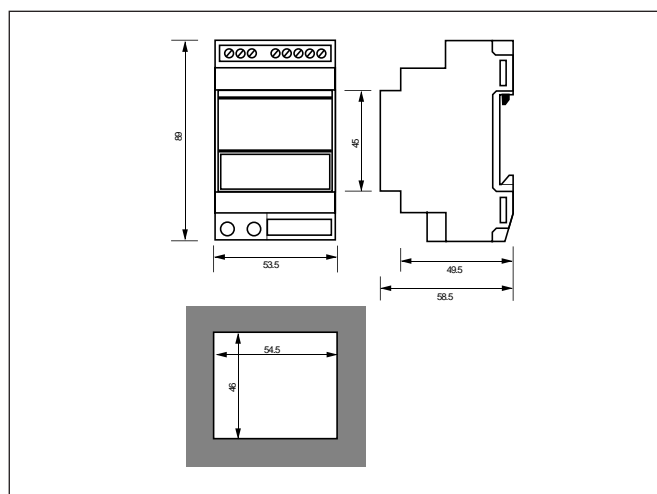
1. Display

3-dgt (maximum read-out 999).

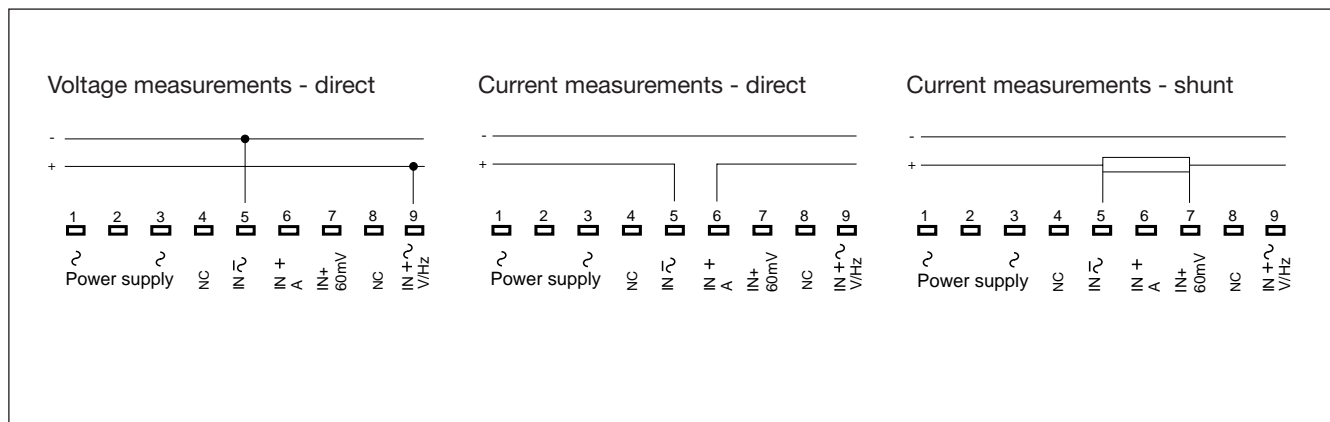
Alphanumeric indication by means of 7-segment display for:

- Displaying of the measured value, over-range.

Dimensions (mm)



Wiring Diagram



Panel Meters and Controllers

AC Ammeter or Voltmeter

Type DI3-DIN AV1/AV5

CARLO GAVAZZI



- 3-dgt μ P-based for AC currents or voltages
- Selectable CT/VT primary range
- DIN-rail mounting
- Degree of protection (front): IP 40

Product Description

3-dgt μ P-based meter with double input for AC currents or voltages. With 20 selectable CV/VT primary ranges.

The housing is for DIN-rail mounting and ensures a degree of protection (front) of IP 40.

Type Selection

Range code		Power supply
AV1:	1 A/100 V Standard current/voltage	A: 24 VAC, -15% +10%, 50/60 Hz ¹⁾
AV5:	5 A/500 V Standard current/voltage	B: 48 VAC, -15% +10%, 50/60 Hz ¹⁾
		C: 115 VAC, -15% +10%, 50/60 Hz ¹⁾
		D: 230 VAC, -15% +10%, 50/60 Hz (standard)

See Range Table

¹⁾ Power supply on request

Input Specifications

Rated input	5 A/500 VAC, 45 to 400 Hz (1 A/100 VAC on request)
Overload protection	
Cont. Current:	1.2 x rated input
Voltage:	1.2 x rated input
For 1 s Current:	5 x rated input
Voltage:	2 x rated input
Accuracy (@ 25°C \pm 5°C, R.H. \leq 60%)	\pm 0.5% f.s., \pm 1 dgt
Temperature drift	\pm 350 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication	
Max.	999
Min.	000
500 VAC range	Scale suppression up to 5% f.s.
Other ranges	Scale suppression up to 3% f.s.
Over range	EEE
Input range selection	DIP-switch selectable
Decimal point position	DIP-switch selectable

Ordering Key

DI3-DIN AV5AD0XX

Model	DI3-DIN AV5AD0XX
Range code	AV5
Measurement	A
Power supply	D
Setpoints	0
Options	X

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

General Specifications

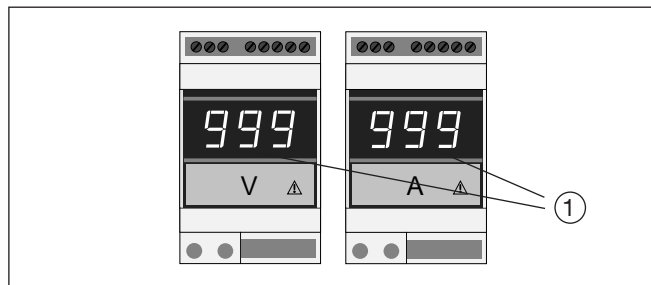
Operating temperature	0° to 50°C (32° to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10° to 60°C (14° to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{rms} to ground
Dielectric strength	4000 V _{rms} for 1 minute
Noise rejection CMRR	100 dB, 40 to 60 Hz.
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1
Safety standards	EN 61 010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing Dimensions	89 x 53.5 x 58.5 mm (3-DIN modules)
Material	ABS, self-extinguish.: UL 94 V-0
Degree of protection	Front: IP 40
Weight	Approx 200 g
Approvals	CE, CSA



Range Table

Range	Connection	Decimal point position	Resolution	Voltage drop ammeters	Input imp. voltmeters	Range code
1A/100 V	Direct 1A	Direct 100 V	999/99.9	1 mA/0.1 V	1 MΩ	AV1
5A/500 V	Direct 5A	Direct 500 V	9.99/999	10 mA/1 V	1 MΩ	AV5
10 A	CT10/1 A	CT10/5 A	9.99	10 mA	1 V/250 mV	AV1/AV5
15 A	CT15/1 A	CT15/5 A	99.9	100 mA	1 V/250 mV	AV1/AV5
25 A	CT25/1 A	CT25/5 A	99.9	100 mA	1 V/250 mV	AV1/AV5
40 A	CT40/1 A	CT40/5 A	99.9	100 mA	1 V/250 mV	AV1/AV5
50 A	CT50/1 A	CT50/5 A	99.9	100 mA	1 V/250 mV	AV1/AV5
60 A	CT60/1 A	CT60/5 A	99.9	100 mA	1 V/250 mV	AV1/AV5
100 A	CT100/1 A	CT100/5 A	99.9	100 mA	1 V/250 mV	AV1/AV5
150 A	CT150/1 A	CT150/5 A	999	1 A	1 V/250 mV	AV1/AV5
220 V		VT220/100 V	999	1 V	1 MΩ	AV1
250 A	CT250/1 A	CT250/5 A	999	1 A	1 V/250 mV	AV1/AV5
380 V		VT380/100 V	999	1 V	1 MΩ	AV1
400 A	CT400/1 A	CT400/5 A	999	1 A	1 V/250 mV	AV1/AV5
500 A/V	CT500/1 A		999	1 A/V	1 V	AV1
500 A	CT500/5 A		999	1 A	250 mV	AV5
600 A/V	CT600/1 A		999	1 A/V	1 V	AV1
600 A	CT600/5 A		999	1 A	250 mV	AV5
1000 A/V	CT1000/1 A		999	1 A/V	1 V	AV1
1000 A	CT1000/5 A		999	1 A	250 mV	AV5

Front Panel Description



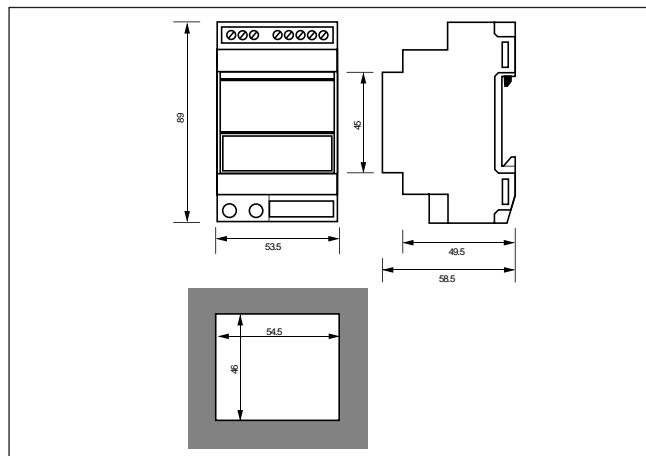
1. Display

3-dgt (maximum read-out 999).

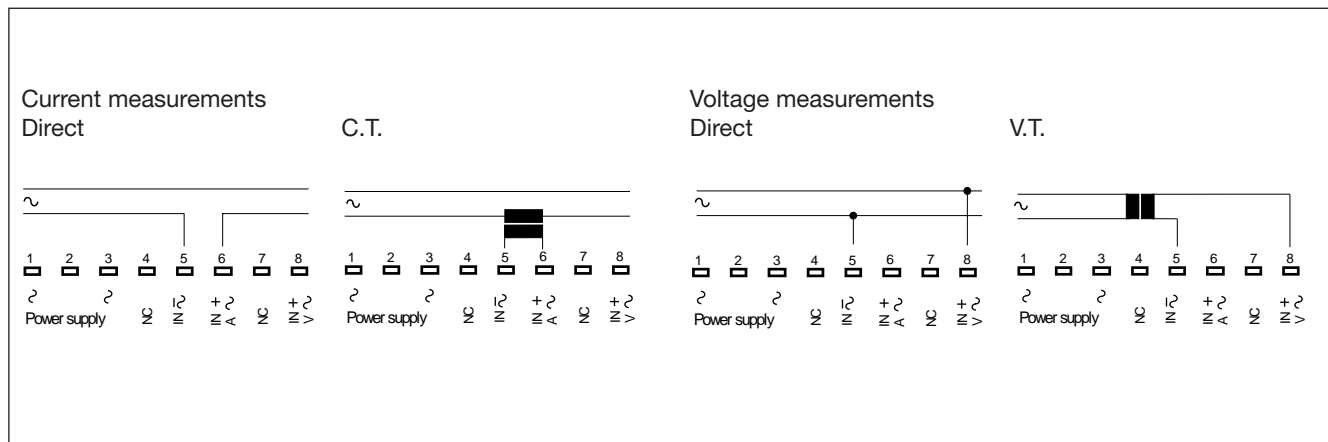
Alphanumeric indication by means of 7-segment display for:

- Displaying of the measured value, over-range.

Dimensions (mm)



Wiring Diagrams



Panel Meters and Controllers

Autoranging Frequency Meter

Type DI3-DIN F1K

CARLO GAVAZZI



- 3-dgt μ P-based frequency indicator
- 1.0 to 999 Hz
- Autoranging capability
- DIN-rail mounting
- Degree of protection (front): IP 40

Product Description

3-dgt μ P-based frequency meter with autoranging capability. The housing is for DIN-rail mounting and ensures a degree of protection (front) of IP 40.

Ordering Key

DI3-DINF1KAD0XX



Type Selection

Power supply

- A:** 24 VAC, -15% +10%, 50/60 Hz ¹⁾
- B:** 48 VAC, -15% +10%, 50/60 Hz ¹⁾
- C:** 115 VAC, -15% +10%, 50/60 Hz ¹⁾
- D:** 230 VAC, -15% +10%, 50/60 Hz (standard) ¹⁾ On request

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

Input Specifications

Rated input	500 VAC, 1 to 1000 Hz, autoranging
Overload protection Continuous For 1 s	1.2 x rated input 2 x rated input
Accuracy (@ 25°C \pm 5°C, R.H. \leq 60%)	\pm 0.1% f.s., \pm 1 dgt
Temperature drift	\pm 100 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication Max. Min. Over range	999 0.00 EEE
Input voltage	9 to 500 VAC
Input impedance	500 k Ω

General Specifications

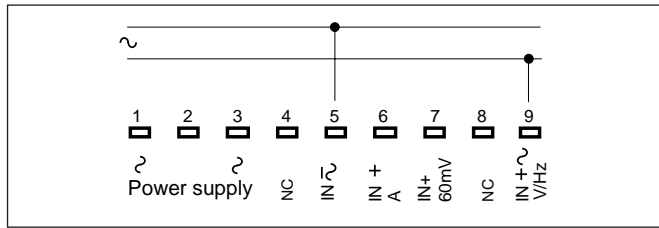
Operating temperature	0 to 50°C (32 to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10 to 60°C (14 to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{ms} to ground
Dielectric strength	4000 V _{ms} for 1 minute
Noise rejection CMRR	100 dB, 40 to 60 Hz
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1
Safety standards	EN 61010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing Dimensions Material	89 x 53,5 x 58.5 mm (3-DIN modules) ABS, self-extinguish.: UL 94 V-0
Degree of protection	Front: IP 40
Weight	Approx. 200 g
Approvals	CSA, CE

Range Table

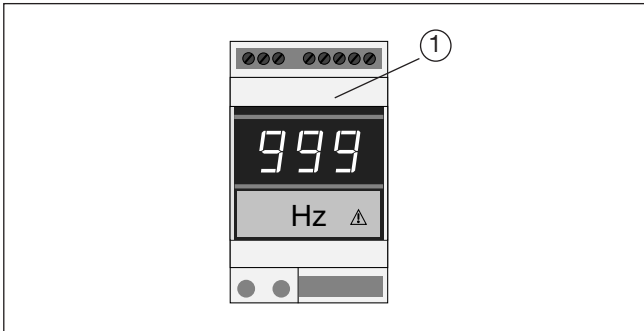
Measurement	Dec. point position	Resolution
1.00 to 9.99 Hz	9.99	0.01 Hz
10.0 to 99.9 Hz	99.9	0.1 Hz
100 to 999 Hz	999	1 Hz

(Automatic selection)

Wiring Diagram



Front Panel Description

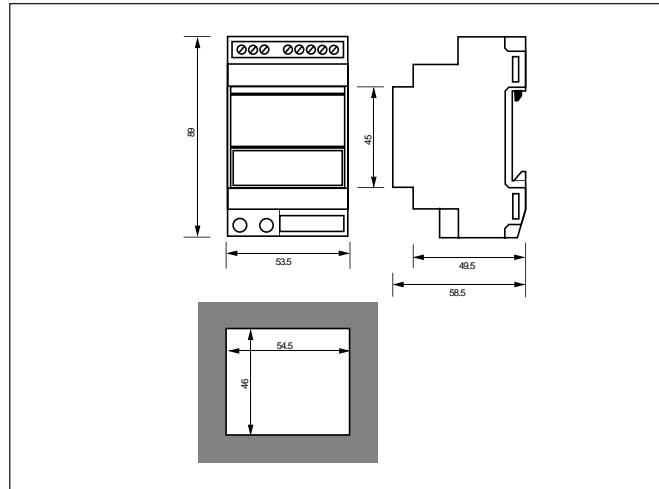


1. Display

3-dgt (maximum read-out 999).

Alphanumeric indication by means of 7-segment display for:
 - Displaying of the measured value, over-range.

Dimensions



Panel Meters and Controllers

AC Ammeter or Voltmeter

Type DI3-72 AV1/AV5

CARLO GAVAZZI



- 3-dgt μ P-based indicator for AC currents or voltages
- Selectable CT/VT primary range
- Panel mounting
- 72 x 72 mm
- Degree of protection (front): IP 50 (IP 65 on request)

Product Description

3-dgt μ P-based meter with double input for AC currents or voltages. With 20 selectable primary CT/VT ranges. The housing is for panel mounting and ensures a degree of protection (front) of IP 50 (IP 65 on request).

Ordering Key

DI3-72AV5AD0XX

Model _____
 Range code _____
 Measurement _____
 Power supply _____
 Setpoints _____
 Options _____

Type Selection

Range code

Range code	Input	Notes
AV1:	1 A/100 V Standard current/voltage	See Range Table
AV5:	5 A/500 V Standard current/voltage	

Power supply

A:	24 VAC, -15% +10%, 50/60 Hz ¹⁾	XX: None (standard) EX: Degree of protection IP 65 ¹⁾ Power supply on request
B:	48 VAC, -15% +10%, 50/60 Hz ¹⁾	
C:	115 VAC, -15% +10%, 50/60 Hz ¹⁾	
D:	230 VAC, -15% +10%, 50/60 Hz (standard)	

Options

Input Specifications

Rated input	5A/500 VAC, 45 to 400 Hz (1A/100 VAC on request)
Overload protection	
Cont. Current:	1.2 x rated input
Voltage:	1.2 x rated input
For 1 s Current:	5 x rated input
Voltage:	2 x rated input
Accuracy (@ 25°C ± 5°C, R.H. ≤ 60%)	± 0.5% f.s., ± 1 dgt
Temperature drift	± 350 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication	
Max.	999
Min.	000
500 VAC range	Scale suppression up to 5% f.s.
Other ranges	Scale suppression up to 3% f.s.
Over range	EEE
Input range selection	DIP-switch selectable
Decimal point position	DIP-switch selectable

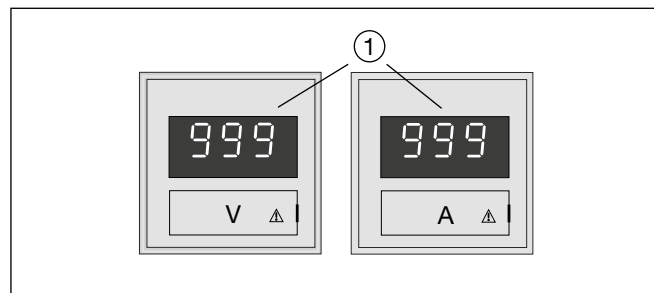
General Specifications

Operating temperature	0° to 50°C (32° to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10° to 60°C (14° to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{ms} to ground
Dielectric strength	4000 V _{ms} for 1 minute
Noise rejection CMRR	100 dB, 40 to 60 Hz.
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1.
Safety standards	EN 61 010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing Dimensions Material	72 x 72 x 75 mm ABS, self-extinguishing: UL 94 V-0
Degree of protection	Front: IP 50 (IP 65 on request) Connections: IP 20
Weight	Approx 250 g
Approvals	CE, CSA

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

Front Panel Description



1. Display

3-dgt (maximum read-out 999).

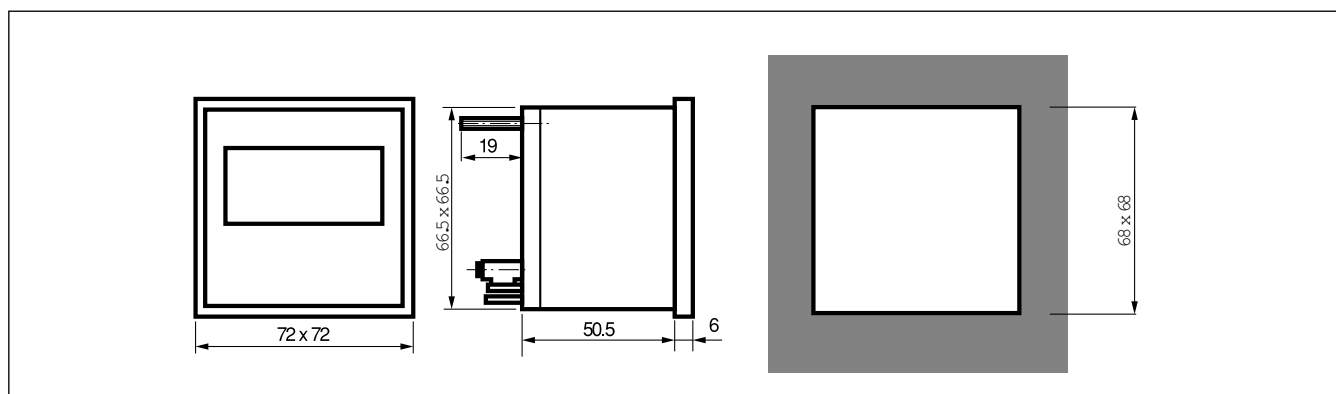
Alphanumeric indication by means of 7-segment display for:

- Displaying of the measured value, over-range.

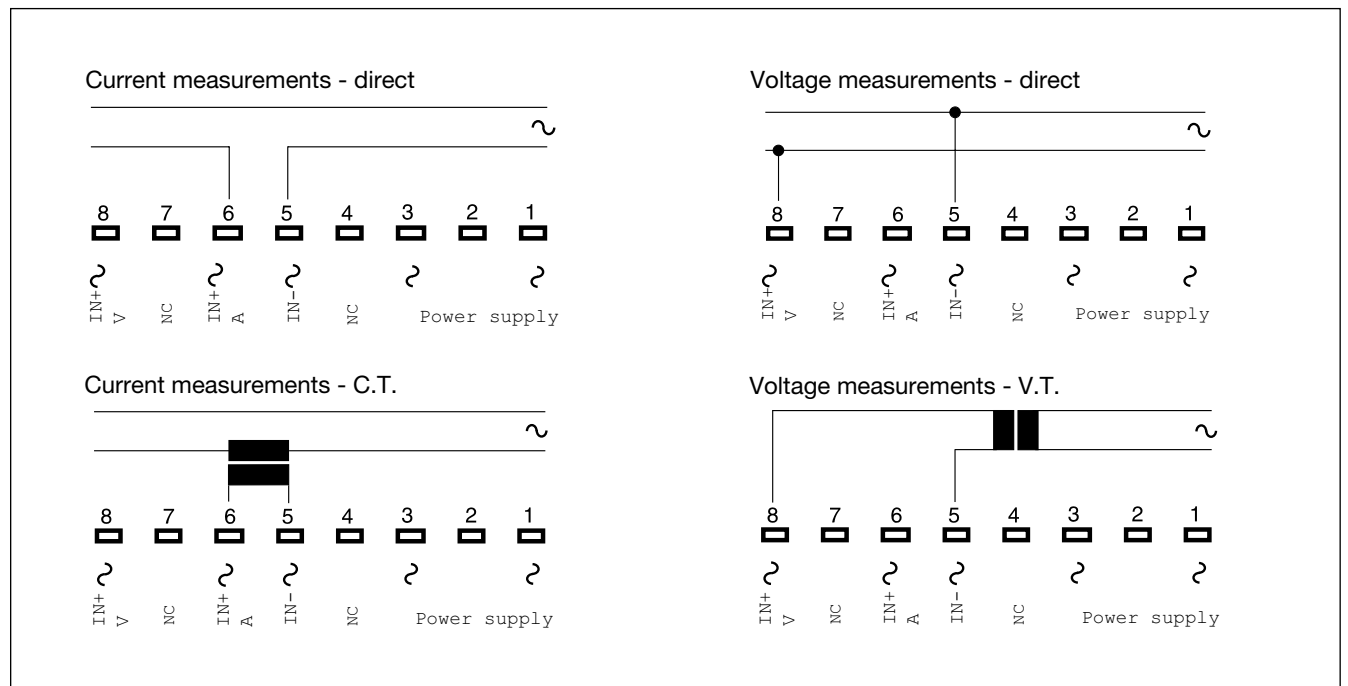
Range Table

Range	Connection		Decimal point position	Resolution	Voltage drop ammeters	Input imp. voltmeters	Range code
1A/100 V	Direct 1A		Direct 100 V	999/99.9	1 mA/0.1 V	1 M Ω	AV1
5A/500 V	Direct 5A		Direct 500 V	9.99/999	10 mA/1 V	1 M Ω	AV5
10 A	CT10/1 A	CT10/5 A		9.99	10 mA	1 V/250 mV	AV1/AV5
15 A	CT15/1 A	CT15/5 A		99.9	100 mA	1 V/250 mV	AV1/AV5
25 A	CT25/1 A	CT25/5 A		99.9	100 mA	1 V/250 mV	AV1/AV5
40 A	CT40/1 A	CT40/5 A		99.9	100 mA	1 V/250 mV	AV1/AV5
50 A	CT50/1 A	CT50/5 A		99.9	100 mA	1 V/250 mV	AV1/AV5
60 A	CT60/1 A	CT60/5 A		99.9	100 mA	1 V/250 mV	AV1/AV5
100 A	CT100/1 A	CT100/5 A		99.9	100 mA	1 V/250 mV	AV1/AV5
150 A	CT150/1 A	CT150/5 A		999	1 A	1 V/250 mV	AV1/AV5
220 V			VT220/100 V	999	1 V	1 M Ω	AV1
250 A	CT250/1 A	CT250/5 A		999	1 A	1 V/250 mV	AV1/AV5
380 V			VT380/100 V	999	1 V	1 M Ω	AV1
400 A	CT400/1 A	CT400/5 A		999	1 A	1 V/250 mV	AV1/AV5
500 A/V	CT500/1 A		VT500/100 V	999	1 A/V	1 V	1 M Ω
500 A	CT500/5 A			999	1 A	250 mV	AV5
600 A/V	CT600/1 A		VT600/100 V	999	1 A/V	1 V	1 M Ω
600 A	CT600/5 A			999	1 A	250 mV	AV5
1000 A/V	CT1000/1 A		VT1000/100 V	999	1 A/V	1 V	1 M Ω
1000 A	CT1000/5 A			999	1 A	250 mV	AV5

Dimensions (mm)



Wiring Diagrams



Panel Meters and Controllers

DC Ammeter and Voltmeter

Type DI3-72 AV6

CARLO GAVAZZI



- 3-dgt μ P-based indicator for DC currents or voltages
- Selectable input range
- For panel mounting
- 72 x 72 mm
- Degree of protection (front): IP 50 (IP 65 on request)

Product Description

3-dgt μ P-based meter with double input for DC currents or voltages. With 18 selectable input ranges. The housing is for panel mounting and ensures a degree of protection (front) of IP 50 (IP 65 on request).

Ordering Key

DI3-72AV6DD0XX

Model	_____
Range code	_____
Measurement	_____
Power supply	_____
Setpoints	_____
Options	_____

Type Selection

Power supply	Options
A: 24 VAC, -15% +10%, 50/60 Hz ¹⁾	XX: None (standard)
B: 48 VAC, -15% +10%, 50/60 Hz ¹⁾	EX: Degree of protection IP 65
C: 115 VAC, -15% +10%, 50/60 Hz ¹⁾	
D: 230 VAC, -15% +10%, 50/60 Hz (standard)	

¹⁾ Power supply on request

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

Input Specifications

Rated input	1 A / 60 mV / 100 V / 500 VDC
Overload protection	
Cont. Current:	1.2 x rated input
Voltage:	1.2 x rated input
For 1 s Current:	5 x rated input
Voltage:	2 x rated input
Accuracy (@ 25°C \pm 5°C, R.H. \leq 60%)	\pm 0.5% f.s., \pm 1 dgt
Temperature drift	\pm 350 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication	
Max.	999
Min.	-99
Over range	EEE
Under range	-EE
Input range selection	DIP-switch selectable
Decimal point position	DIP-switch selectable

General Specifications

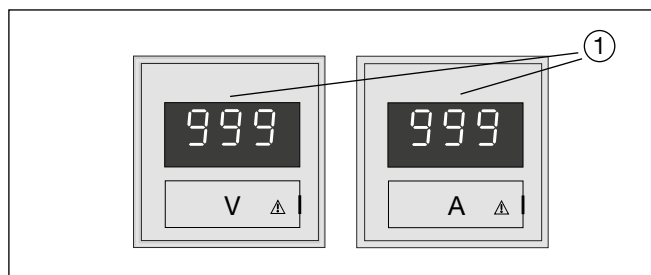
Operating temperature	0 to 50°C (32 to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10 to 60°C (14 to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{rms} to ground
Dielectric strength	4000 V _{rms} for 1 minute
Noise rejection	
NMRR	40 dB, 40 to 60 Hz
CMRR	100 dB, 40 to 60 Hz
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1
Safety standards	EN 61 010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing	
Dimensions	72 x 72 x 75 mm
Material	ABS, self-extinguishing: UL 94 V-0
Degree of protection	Front: IP 50 (IP 65 on request) Connections: IP 20
Weight	Approx. 250 g
Approvals	CE, CSA



Range Table

Measurement	Connection	Dec. point position	Input impedance/volt. drop	Resolution	Range code
100 V	Direct	99.9	1 MΩ	0.1 V	AV6
500 V	Direct	999	1 MΩ	1 V	AV6
1 A	Direct	999	1 V	1 mA	AV6
1.5 A	60 mV/1.5 A shunt	9.99	13 kΩ	10 mA	AV6
2.5 A	60 mV/2.5 A shunt	9.99	13 kΩ	10 mA	AV6
4 A	60 mV/4 A shunt	9.99	13 kΩ	10 mA	AV6
6 A	60 mV/6 A shunt	9.99	13 kΩ	10 mA	AV6
10 A	60 mV/10 A shunt	9.99	13 kΩ	10 mA	AV6
15 A	60 mV/15 A shunt	99.9	13 kΩ	100 mA	AV6
25 A	60 mV/25 A shunt	99.9	13 kΩ	100 mA	AV6
40 A	60 mV/40 A shunt	99.9	13 kΩ	100 mA	AV6
60 A	60 mV/60 A shunt	99.9	13 kΩ	100 mA	AV6
100 A	60 mV/100 A shunt	99.9	13 kΩ	100 mA	AV6
150 A	60 mV/150 A shunt	999	13 kΩ	1 A	AV6
250 A	60 mV/250 A shunt	999	13 kΩ	1 A	AV6
400 A	60 mV/400 A shunt	999	13 kΩ	1 A	AV6
600 A	60 mV/600 A shunt	999	13 kΩ	1 A	AV6
1000 A	60 mV/1000 A shunt	999	13 kΩ	1 A	AV6

Front Panel Description



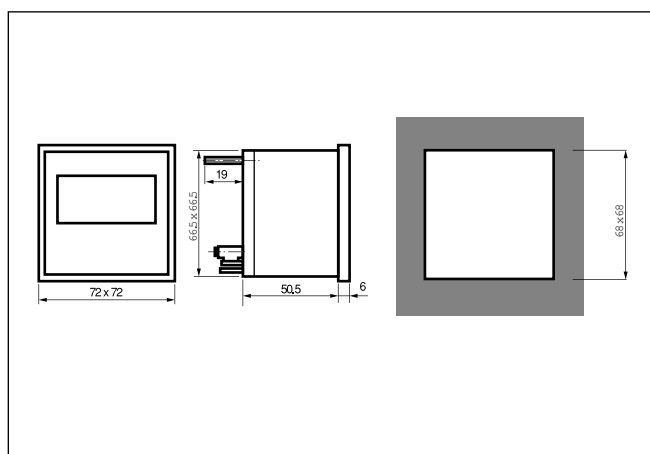
1. Display

3-dgt (maximum read-out 999).

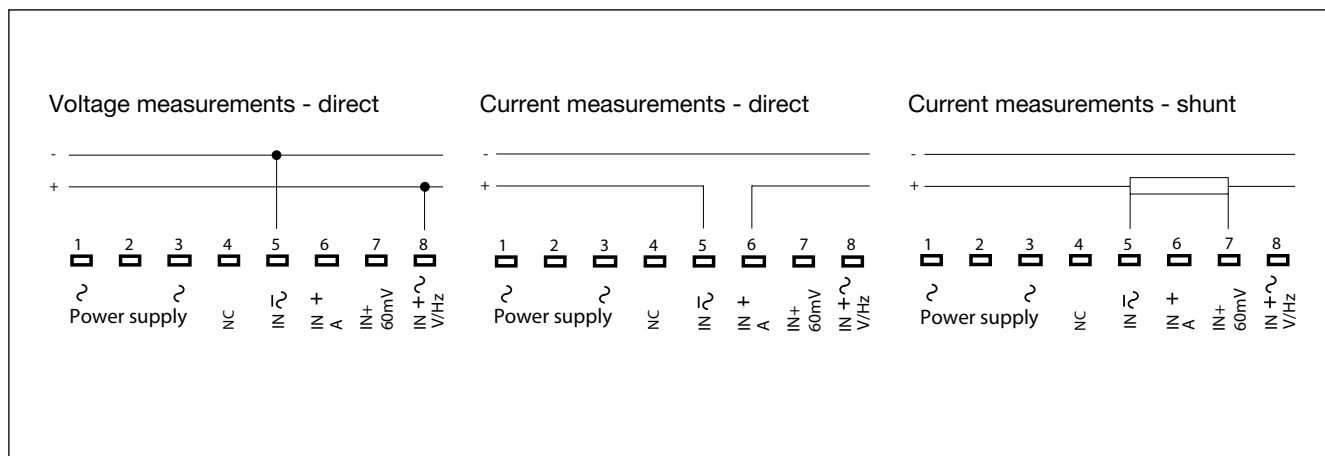
Alphanumeric indication by means of 7-segment display for:

- Displaying of the measured value, over-range.

Dimensions (mm)



Wiring Diagrams



Panel Meters and Controllers

Autoranging Frequency Meter

Type DI3-72 F1K



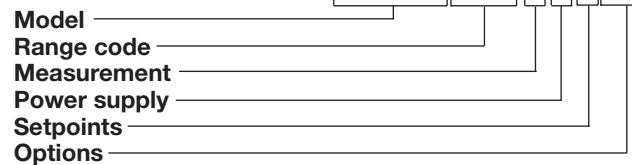
- 3-dgt μ P-based frequency indicator
- 1.0 to 999 Hz
- Autoranging capability
- 72 x 72 mm
- Degree of protection (front): IP 50 (IP 65 on request)

Product Description

3-dgt μ P-based frequency meter with autoranging capability. The housing is for panel mounting and ensures a degree of protection (front) of IP 50 (IP 65 on request).

Ordering Key

DI3-72F1KAD0XX



Type Selection

Power supply	Options
A: 24 VAC, -15% +10%, 50/60 Hz ¹⁾	XX: None (standard)
B: 48 VAC, -15% +10%, 50/60 Hz ¹⁾	EX: Degree of protection IP 65
C: 115 VAC, -15% +10%, 50/60 Hz ¹⁾	
D: 230 VAC, -15% +10%, 50/60 Hz (standard)	¹⁾ Power supply on request

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

Input Specifications

Rated input	500 VAC, 1 to 1000 Hz, autoranging
Overload protection Continuous For 1 s	1.2 x rated input 2 x rated input
Accuracy (@ 25°C \pm 5°C, R.H. \leq 60%)	\pm 0.1% f.s., \pm 1 dgt
Temperature drift	\pm 100 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication Max. Min. Over range	999 0.00 EEE
Input voltage	9 to 500 VAC
Input impedance	500 k Ω

General Specifications

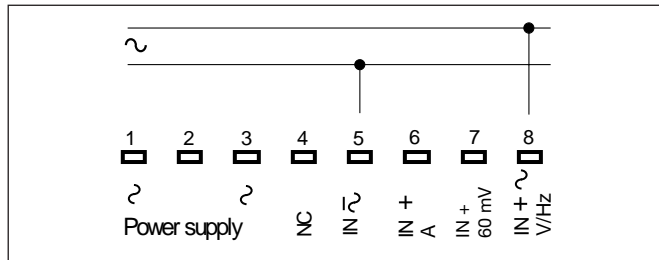
Operating temperature	0 to 50°C (32 to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10 to 60°C (14 to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{rms} to ground
Dielectric strength	4000 V _{rms} for 1 minute
Noise rejection CMRR	100 dB, 40 to 60 Hz
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1
Safety standards	EN 61010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing Dimensions Material	72 x 72 x 75 mm ABS, self-extinguishing: UL 94 V-0
Degree of protection	Front: IP 50 (IP 65 on request)
Weight	250 g approx.
Approvals	CE, CSA

Range Table

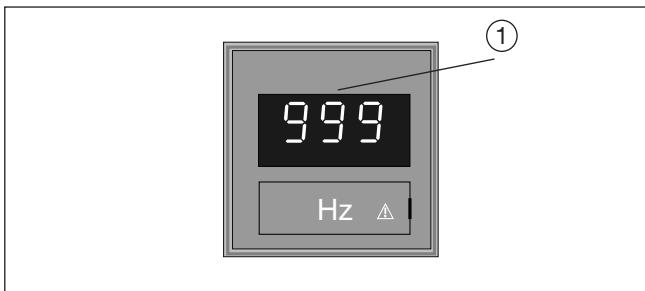
Measurement	Dec. point position	Resolution
1.00 to 9.99 Hz	9.99	0.01 Hz
10.0 to 99.9 Hz	99.9	0.1 Hz
100 to 999 Hz	999	1 Hz

(Automatic selection)

Wiring Diagram



Front Panel Description



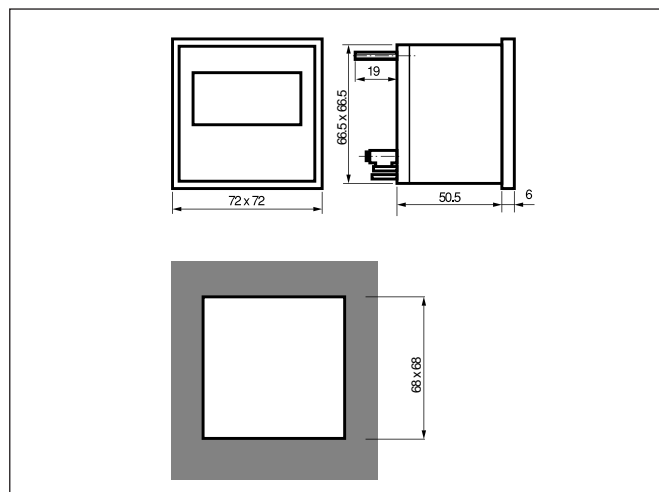
1. Display

3-dgt (maximum read-out 999).

Alphanumeric indication by means of 7-segment display for:

- Displaying of the measured value, over-range.

Dimensions (mm)



Panel Meters and Controllers

DC Ammeter and Voltmeter

Type DI3-72 AV6

CARLO GAVAZZI



- 3-dgt μ P-based indicator for DC currents or voltages
- Selectable input range
- For panel mounting
- 72 x 72 mm
- Degree of protection (front): IP 50 (IP 65 on request)

Product Description

3-dgt μ P-based meter with double input for DC currents or voltages. With 18 selectable input ranges. The housing is for panel mounting and ensures a degree of protection (front) of IP 50 (IP 65 on request).

Ordering Key

DI3-72AV6DD0XX



Type Selection

Power supply	Options
A: 24 VAC, -15% +10%, 50/60 Hz ¹⁾	XX: None (standard)
B: 48 VAC, -15% +10%, 50/60 Hz ¹⁾	EX: Degree of protection IP 65 ¹⁾
C: 115 VAC, -15% +10%, 50/60 Hz ¹⁾	
D: 230 VAC, -15% +10%, 50/60 Hz (standard)	¹⁾ On request

Supply Specifications

AC supply	230 VAC, -15% +10%, 50/60 Hz (standard) 24 VAC, 48 VAC, 115 VAC, -15% +10%, 50/60 Hz (on request)
Power consumption	3.2 VA

Input Specifications

Rated input	1 A / 60 mV / 100 V / 500 VDC
Overload protection	
Cont. Current:	1.2 x rated input
Voltage:	1.2 x rated input
For 1 s Current:	5 x rated input
Voltage:	2 x rated input
Accuracy (@ 25°C \pm 5°C, R.H. \leq 60%)	\pm 0.5% f.s., \pm 1 dgt
Temperature drift	\pm 350 ppm/°C
Display	7-segment LED, h 14.2 mm, 3 digits
Sampling rate	1 time/s
Indication	
Max.	999
Min.	-99
Over range	EEE
Under range	-EE
Input range selection	DIP-switch selectable
Decimal point position	DIP-switch selectable

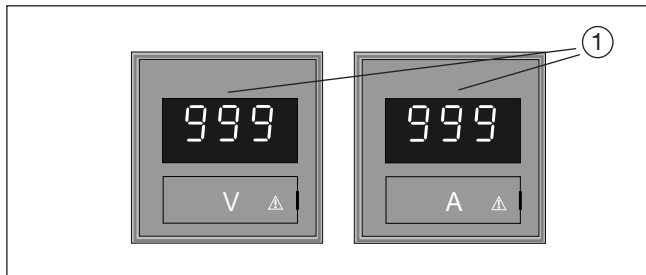
General Specifications

Operating temperature	0 to 50°C (32 to 122°F) (R.H. < 90% non-condensing)
Storage temperature	-10 to 60°C (14 to 140°F) (R.H. < 90% non-condensing)
Insulation reference voltage	300 V _{rms} to ground
Dielectric strength	4000 V _{rms} for 1 minute
Noise rejection	
NMRR	40 db, 40 to 60 Hz
CMRR	100 dB, 40 to 60 Hz
EMC	IEC 60801-2, IEC 60801-3, IEC 60801-4 (level 2), EN 50 081-1, EN 50 082-1
Safety standards	EN 61 010-1, IEC 61010-1, VDE 0411
Connector	Screw-type
Housing	
Dimensions	72 x 72 x 75 mm
Material	ABS, self-extinguishing: UL 94 V-0
Degree of protection	Front: IP 50 (IP 65 on request)
Weight	Approx. 250 g
Approvals	CSA, CE

Range Table

Measurement	Connection	Dec. point position	Input impedance/volt. drop	Resolution	Range code
100 V	Direct	99.9	1 MΩ	0.1 V	AV6
500 V	Direct	999	1 MΩ	1 V	AV6
1 A	Direct	999	1 V	1 mA	AV6
1.5 A	60 mV/1.5 A shunt	9.99	13 kΩ	10 mA	AV6
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25 A	60 mV/25 A shunt	99.9	13 kΩ	100 mA	AV6
40 A	60 mV/40 A shunt	99.9	13 kΩ	100 mA	AV6
60 A	60 mV/60 A shunt	99.9	13 kΩ	100 mA	AV6
100 A	60 mV/100 A shunt	99.9	13 kΩ	100 mA	AV6
150 A	60 mV/150 A shunt	999	13 kΩ	1 A	AV6
250 A	60 mV/250 A shunt	999	13 kΩ	1 A	AV6
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1000 A	60 mV/1000 A shunt	999	13 kΩ	1 A	AV6

Front Panel Description



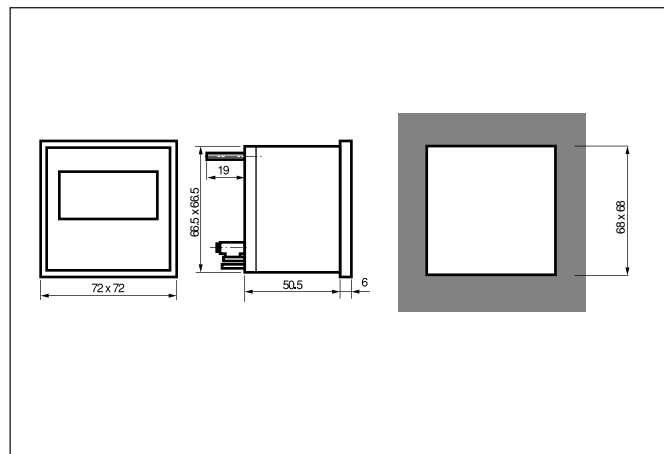
1. Display

3-dgt (maximum read-out 999).

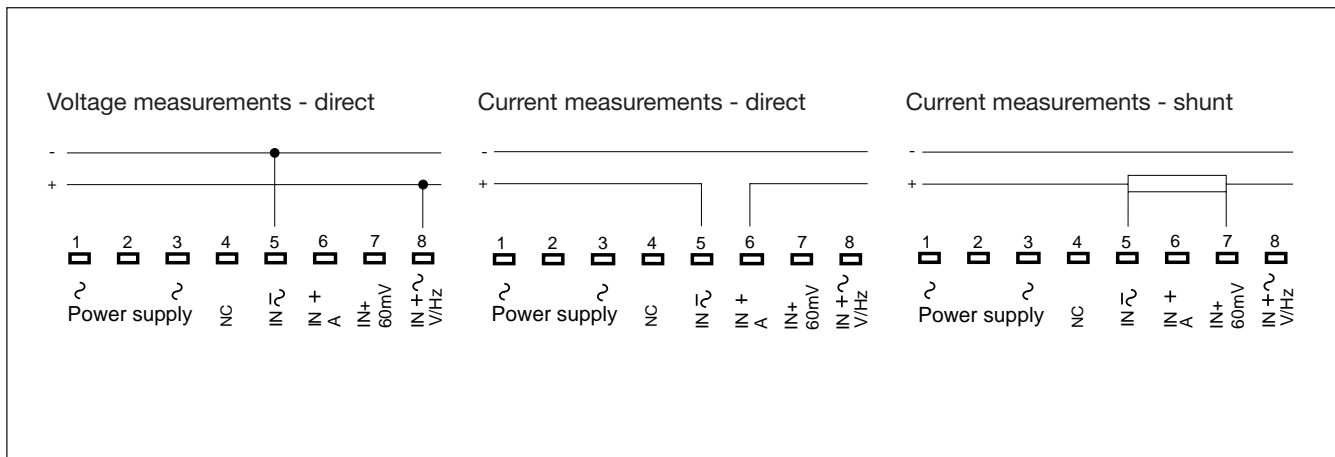
Alphanumeric indication by means of 7-segment display for:

- Displaying of the measured value, over-range.

Dimensions



Wiring Diagrams



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