












Fixed power analyzers

Power analyzers	Panel	CVM A1500, CVM B150, CVM B100, CVM C10, CVM C5
	DIN rail	CVM 1D, CVM-E3-MINI CVM MINI, CVM NET, CVM NET4+, CVM BD, CEM-C6
Power quality analyzers	Panel	CVM A1500A, CVM A1500
	DIN rail / Wall-mounted	QNA500
Consumption analyzers	DIN zero	Wibeee
	Wall-mounted	Wibeee Max

		CVM-A1500	CVM-B150 CVM-B100	CVM-C10	CVM-C5	CVM-E3- MINI	CVM MINI	CVM NET	CVM NET4+	CEM-6	Wibeee	Wibeee MAX	
													
Mounting	Panel (mm)	144x144	144x144 / 96x96	96x96	96x96	OP	OP	OP	-	-	-	•	
	DIN rail (modules)	-	-	-	-	3	3	3	6	1	0	•	
AC Measurement	Three-phase 3/4 wires	Config	Config	Config		•	•	•	•	-	T	•	
	Single-phase	Config	Config	Config		-	-	-	•	•	T	-	
	Quadrants	4	4	4	4	4	4	4	4	4	2	2	2
	Harmonics	63	50	31	-	31	T(15)	-	15	-	-	-	•
	Phase parameters	•	•	•	•	•	•	•	•	•	•	•	•
	Maximum demand	•	•	•	•	•	•	•	•	•	-	-	-
	Tariffs	3	3	3	2	1	1	1	1	1	1	web	web
	Hours, cost, kgCO ₂	•	•	•	•	•	-	-	-	-	-	cost, kgCO ₂	cost, kgCO ₂
	Voltage input	Direct (V)	600 V _{ph-n} * 1000 V _{ph-ph} *	600 V _{ph-n} * 1000 V _{ph-ph} *	300 V _{ph-n} 520 V _{ph-ph}	300 V _{ph-n} 520 V _{ph-ph}	300 V _{ph-n} 520 V _{ph-ph}	300 V _{ph-n} 520 V _{ph-ph}	300 V _{ph-n} 520 V _{ph-ph}	300 V _{ph-n} 520 V _{ph-ph}	230 V _{ph-n}	85...265 V _{f-n} 147...459 V _{f-n}	95...440 V _{f-n}
Indirect (V)		Config.	Config.	Config.	Config.	Config.	Config.	Config.	Config.	-	-	-	
Current Input	Direct	-	-	-	-	-	-	-	-	100 A	70 A max.	-	
	Indirect (ITF)	•	•	•	T	T	T	T	-	-	-	-	
	MC System (/250 mA)	•	•	T	T	T	T	T	•	-	-	-	
	Rogowski sensors	-	-	T	-	T	-	-	-	-	-	•	
Communications	RS-232	-	-	-	-	-	-	-	-	-	-	-	
	RS-485	•	•	•	T	•	T	•	•	•	-	-	
	TCP/IP	•	OP	-	-	-	T	-	-	-	-	-	
	WiFi	-	-	-	-	-	-	-	-	-	-	•	
Protocols	ModBus/RTU	•	•	•	T	•	T	•	•	•	-	-	
	ModBus/TCP	OP	OP	-	-	-	T	-	-	-	•	•	
	XML	•	OP	-	-	-	-	-	-	-	-	-	
	MBUS	OP	OP	-	-	-	-	-	-	-	-	-	
	BACnet	•	•	•	-	•	T	-	-	-	-	-	
	Profibus	OP	OP	-	-	-	-	-	-	-	-	-	
	LonWorks	OP	OP	-	-	-	T	-	-	-	-	-	
Otthers	Display	colour graph	colour graph	Custom LCD	LCD	LCD	LCD	-	-	LCD	APP	APP	
	Expandible	•	•	-	-	-	-	-	-	-	-	-	
Optional	Digital inputs (n.max)	•(2)	•(2)	•(2)	•1(T)	•(1)	-	-	-	-	-	-	
	Digital outputs (n.max)	•(4)	•(4)	•(4)	•1(T)	•(1)	•(2)	•(2)	•(4)	-	-	-	
	Analogue inputs (n.max)	OP	OP	-	-	-	-	-	-	-	-	-	
	Analogue outputs (n.max)	OP	OP	-	-	-	-	-	-	-	-	-	
	Historical data record	•	OP	-	-	-	-	-	-	-	-	-	
Standards	UL	•	•	•	•	-	T	-	-	-	-	-	
	Measurement in acc. with MID	•	•	•	-	•	-	-	-	-	-	-	
	Measurement in acc with IEC 61000-4-30	T	-	-	-	-	-	-	-	-	-	-	
	Calibration certificate in compliance with IEC 61000-4-30	T	-	-	-	-	-	-	-	-	-	-	

(T) - depending on the type / (OP) - Optional

Delivery time: [*] immediate
[x] working weeks
[c] consult

CVM-A, Power quality analyzers with recording of quality events and transients Calibration Certificate (IEC 61000-4-30 Ed.2) Class A

Power supply 85...265 Vac / 120...300 Vdc, 600 Vp-n / 1000 Vp-p measurement



Type	Code	Size(mm)	Energy accuracy	Input current	Transistor output	Output relay	Digital inputs	Communications	Protocol
CVM-A1500A-ITF-485-ICT2	[2] M563110000A00	144x144	0,2S (.../5A)	.../5 A, .../1 A, 250 mA	2	2	2	RS-485, Ethernet	Modbus/BACnet, webserver (HTTP), XML, HTML5

4-quadrant measuring unit with PowerStudio embedded. Built-in Datalogger module. Optional Modbus/TCP. See expansion modules and accessories (Sealing gaskets) for CVM-A / CVM-B. Energy accuracy for module... /5 A

CVM-A, Power quality analyzers with recording of quality events and transients in accordance with (IEC 61000-4-30 Ed.2) Class A

Power supply 85...265 Vac / 120...300 Vdc, 600 Vp-n / 1000 Vp-p measurement



Type	Code	Size(mm)	Energy accuracy	Input current	Transistor output	Output relay	Digital inputs	Communications	Protocol
CVM-A1500A-ITF-485-ICT2	[*] M56311.	144x144	0,2S (.../5A)	.../5 A, .../1 A, 250 mA	2	2	2	RS-485, Ethernet	Modbus/BACnet, webserver (HTTP), XML, HTML5

4-quadrant measuring unit with PowerStudio embedded. Built-in Datalogger module. Optional Modbus/TCP. See expansion modules and accessories (Sealing gaskets) for CVM-A / CVM-B. Energy accuracy for module... /5 A

CVM-B, Power analyzer, colour display, panel mounted

Power supply 85...265 Vac / 120...300 Vdc, 600 Vp-n / 1000 Vp-p measurement



Type	Code	Size(mm)	Energy accuracy	Input current	Transistor output	Output relay	Digital inputs	Communications	Protocol
CVM-B150-ITF-485-ICT2	[*] M56111.	144x144	0,5 S (.../5A)	.../5 A, .../1 A, 250 mA	2	2	2	RS-485	Modbus / BACnet
CVM-B100-ITF-485-ICT2	[*] M56011.	96x96	0,5 S (.../5A)	.../5 A, .../1 A, 250 mA	2	2	2	RS-485	Modbus / BACnet

4-quadrant measuring unit. See expansion modules and accessories (Sealing gaskets) for CVM-A / CVM-B

M-CVM-AB, Expansion modules for CVM-A and CVM-B


Type	Code	Transistor output	Output relay	Digital inputs	Analogue Inputs	Analog output	Communications	Protocol	Memory
M-CVM-AB-8I-8OTR	[*] M56E01.	8	-	8	-	-	-	-	-
M-CVM-AB-8I-8OR	[*] M56E02.	-	8	8	-	-	-	-	-
M-CVM-AB-4AI-8AO	[*] M56E03.	-	-	-	4 (0/4 ... 20mA)	8 (0/4 ... 20mA)	-	-	-
M-CVM-AB-Modbus-TCP (bridge)	[*] M56E05.	-	-	-	-	-	Ethernet	Modbus/TCP (pasarela a RS485)	-
M-CVM-AB-Modbus-TCP (switch)	[*] M56E0A.	-	-	-	-	-	Ethernet	Modbus/TCP (pasarela a TCP)	-
M-CVM-B-DATALOGGER	[*] M56E06.	-	-	-	-	-	Ethernet	Webserver, Java, XML	200 MB
M-CVM-AB-MBUS	[*] M56E07.	-	-	-	-	-	M-BUS	MBUS	-
M-CVM-AB-LonWorks	[*] M56E08.	-	-	-	-	-	LonWorks	LonTalk, ISO/IEC 14908, ANSI/EIA 7091	-
M-CVM-AB-Profibus	[*] M56E09.	-	-	-	-	-	DB-9	Profibus	-

Module M-CVM-AB-8I-8OTR: Optocoupled transistor output

Type	Code	Description
IP65-AB-96	[*] M5ZZ5U.	IP 65 airtight seal for CVM-AB (96x96)
IP65-AB-144	[*] M5ZZ5V.	IP 65 airtight seal for CVM-AB (144x144)

**CVM-C10, Power analyzer, panel mounted 96 x96**

96x96 panel - 85...265 Vac / 95...300 Vdc power supply, 300 Vp-n / 520 Vp-p measurement

Type	Code	Measuring Channels	Input current	Transistor output	Output relay	Digital inputs	Communi-cations	Protocol	Harmonics
CVM-C10-ITF-485-ICT2	[*] M55911.	3	.../5 A, .../1 A	2	2	2	RS-485	ModBus/BACnet	31
CVM-C10-MC-485-ICT2	[*] M55921.	3	.../250 mA	2	2	2	RS-485	ModBus/BACnet	31
CVM-C10-ITF-IN-485-IC2	[*] M55942.	4	.../5 A, .../1 A	-	2	2	RS-485	ModBus/BACnet	31
CVM-C10-mV-485-ICT2	[*] M559210000V00	3	.../333 mV	2	2	2	RS-485	ModBus/BACnet	31
CVM-C10-FLEX-IN-485-I2	[*] M55963.	4	Rogowski	-	-	2	RS-485	ModBus/BACnet	31

4-quadrant measuring unit. Units with 4 measuring channels, 3 phase current inputs + neutral current input (configurable, 3 or 4 current channels)

Type	Code	Description
IP64-C10-96	[*] M5ZZ5T.	IP 64 airtight seal for CVM-C10 (96x96)

FLEX-MAG, Flexible sensors for FLEX power analyzers

Type	Code	Measurement Range (A)	A Max.	Usefull diam.(mm)	Lenght
FLEX-MAG70	[*] M818110041500	1000 A / 100 mV	2000	70	2 m
FLEX-MAG120	[*] M818120041500	1000 A / 100 mV	2000	120	2 m
FLEX-MAG70-5M	[*] M818110041900	1000 A / 100 mV	2000	70	5 m
FLEX-MAG120-5M	[*] M818120041900	1000 A / 100 mV	2000	120	5 m

**CVM-C5, Power analyzer, panel mounted 96x96**

96x96 panel - 85...265 Vac / 95...300 Vdc power supply, 300 Vp-n / 520 Vp-p measurement

Type	Code	Measuring Channels	Input current	Transistor output	Digital inputs	Communications Protocol
CVM-C5-IC	[*] M55853.	3	.../5A, .../1 A	1	1	-
CVM-C5-MC-IC	[*] M55873.	3	.../250 mA	1	1	-
CVM-C5-ITF-485-C	[*] M55884.	3	.../5 A, .../1 A	1	0	RS-485 Modbus/RTU
CVM-C5-MC-485-C	[*] M55894.	3	.../250 mA	1	0	RS-485 Modbus/RTU
CVM-C5-mV-485-C	[*] M558940000V00	3	.../333 mV	1	0	RS-485 Modbus/RTU
CVM-C5-ITF-485-I	[*] M55885.	3	.../5 A, .../1 A	0	1	RS-485 Modbus/RTU
CVM-C5-MC-485-I	[*] M55895.	3	.../250 mA	0	1	RS-485 Modbus/RTU
CVM-C5-mV-485-I	[*] M558950000V00	3	.../333 mV	0	1	RS-485 Modbus/RTU

4-quadrant measuring unit. Can be used to program the voltage transformer ratio

CVM-B, CVM-A

Code	Internal code	Delivery time
M 5 X X X X 0 0 X X X X X		
Power supply voltage	Standard (85...265 V _{ac} / 120...300 V _{dc}) 20...120 V _{dc}	0 F
Others	Metric fork terminals 3 - CAT III 300 V	B T

CVM C10**Internal code**

Code	Internal code	Delivery time
M 5 X X X X 0 0 X		
Power supply voltage	Standard (85...265 V _{ac} / 120...300 V _{dc}) 20...120 V _{dc}	0 F


CVM-E3-MINI, Power analyzer, three-phase DIN rail

NEW

Type	Code	Insulated input	Input current	Transistor output	Digital inputs	Communications	Protocol	Harmonics
CVM-E3-MINI-ITF-485-IC	[*] M56414.	*	.../5 A , .../1 A	1	1	RS-485	Modbus-RTU/BACnet	31
CVM-E3-MINI-MC-485-IC	[*] M56424.	*	.../250 mA	1	1	RS-485	Modbus-RTU/BACnet	31
CVM-E3-MINI-FLEX-485-IC	[*] M56454	*	Rogowski	1	1	RS-485	Modbus-RTU/BACnet	31

Type	Code	Description
ADAPT.PANEL CVM-E3-MINI	[*] M5ZZF100000E3	Panel adapter CVM-E3-MINI (72 x 72)

FLEX-MAG, Flexible sensors for FLEX power analyzers

Type	Code	Measurement Range (A)	A Max.	Usefull diam.(mm)	Lenght
FLEX-MAG70	[*] M818110041500	1000 A / 100 mV	2000	70	2 m
FLEX-MAG120	[*] M818120041500	1000 A / 100 mV	2000	120	2 m
FLEX-MAG70-5M	[*] M818110041900	1000 A / 100 mV	2000	70	5 m
FLEX-MAG120-5M	[*] M818120041900	1000 A / 100 mV	2000	120	5 m


CVM-MINI, Power analyzer, three-phase DIN rail

DIN Rail (3 modules) - 230 Vac Power supply

Type	Code	Insulated input	Input current	Transistor output	Communications	Protocol
CVM-MINI	[*] M52000.	-	.../5 A , .../1 A	-	-	-
CVM-MINI-ITF-RS485-C2	[*] M52021.	*	.../5 A , .../1 A	2	RS-485	Modbus/RTU
CVM-MINI-MC-ITF-RS485-C2	[*] M52081.	*	.../250 mA	2	RS-485	Modbus/RTU
CVM-MINI-ITF-ETH-C2	[*] M520J1.	*	.../5 A , .../1 A	2	TCP/IP	Modbus/TCP
CVM-MINI-MC-ITF-ETH-C2	[*] M520L1.	*	.../250 mA	2	TCP/IP	Modbus/TCP
CVM-MINI-ITF-LonWorks-C2	[*] M52091.	*	.../5 A , .../1 A	2	LonWorks	Lon Talk ISO/IEC 14908 ANSI/EIA 709,1
CVM-MINI-mV-ITF-RS485-C2	[*] M520810000V00	*	.../333 mV	2	RS-485	Modbus/RTU

CVM-MINI-MC units require efficient MC series transformers, which are not included in the price. CVM-MINI-xx-ETH units are only available with a 230 Vac power supply

Type	Code	Description
ADP CVM-MINI/ RGU10/CBS4	[*] M5ZZF1.	Panel adapter CVM MINI / RGU-10 / CBS-4 (72 x 72)


CVM-NET, Power analyzer, three-phase DIN rail

Analyser w/o display, DIN rail (3 modules) - 230 Vac Power supply

Type	Code	Input current	Transistor output	Communications	Protocol
CVM-NET-ITF-485-C2	[*] M54B21.	.../5 A	2	RS-485	Modbus/RTU
CVM-NET-MC-ITF-485-C2	[*] M54B31.	.../250 mA	2	RS-485	Modbus/RTU
CVM-NET-333-485-C2	[*] M54B310000V00	.../333 mV	2	RS-485	Modbus/RTU

The CVM-NET-MC units require the use of efficient transformers of the MC series, which are not included in the price.


CVM-NET4+, Power analyzer, 4 analyzers in a single unit, DIN rail

Unit without display, DIN rail (6 modules) - 85...265 Vac / 95...300 Vdc Power supply

Type	Code	Input current	Transistor output	Communications	Protocol	Harmonics
CVM-NET4+-ITF- MC-RS485-C4	[*] M55782.	.../250 mA	4	RS-485	Modbus/RTU	15°

Requires the installation efficient transformers of the MC series. Not included in the price Configurable, 4 three-phase channels to 12 single-phase channels

CVM MINI / CVM NET			
Code	Internal code	Delivery time	
M 5 X X X X 0 0 X			
	Standard 230 V _{ac}	0	-
Power supply voltage	(*) 85...265 V _{ac} 95...300 V _{dc}	C	1
	24...120 V _{dc} (Only Type M52021)	5	1

(*) Not available in LonWork and BACnet models

 Delivery time: [*] immediate
 [x] working weeks
 [c] consult

**CEM-6, Single-phase energy meter with basic analyser parameters**

Type	Code	Measurement Range (V)	Input current	System	Power supply	Certification	Communications	Phases order	Módulos
CEM-C6	[*] Q26112.	1 x 230	10 (100) A	Single-phase	230 Vac	IEC	RS-485	Direct	1
CEM-C6-MID	[*] Q26115.	1 x 230	10 (100) A	Single-phase	230 Vac	MID	RS-485	Direct	1
CEM-C6-110	[1] Q261120010000	1 x 110	10 (100) A	Single-phase	110 Vac	IEC	RS-485	Direct	1

Parameters measured: V, A, kW, kWh, kvar, kvarh, PF - Frequency: 50/60 Hz

**Wibeee, Consumption analyzers**

Type	Code	A Max.	System	Measure	Communications	Protocol
Wibeee-M-L	[*] M57010.	70	Single-phase	N-L	Wifi	HTTP / ModbusTCP / XML
Wibeee-M-R	[*] M57011.	70	Single-phase	L-N	Wifi	HTTP / ModbusTCP / XML
Wibeee-T-L	[*] M57020.	70	Three-phase	N-LIII	Wifi	HTTP / ModbusTCP / XML
Wibeee-T-R	[*] M57021.	70	Three-phase	LIII-N	Wifi	HTTP / ModbusTCP / XML
Wibeee-3P	[*] M57022.	70	Three-phase	LIII	Wifi	HTTP / ModbusTCP / XML









**Wibeee Max, Consumption analyzers**

Type	Code	Clamp	A Max.	System	Measure	Communications	Protocol
Wibeee Max	[*] M57023.	FLEX Wibeee25	350 / 700	Three-phase	Config.	Wifi	HTTP / ModbusTCP / XML
Wibeee Max Plus	[*] M57024.	FLEX Wibeee54	100 / 1000 / 5000	Three-phase	Config.	Wifi	HTTP / ModbusTCP / XML

Current sensor included

-, Accessories for WibeeeMAX

Type	Code	Description	Input current
FLEX Wibeee14	[*] M570B1.	Flexible clamp for only Wibeee Max (14 cm length)	350-700 A
FLEX Wibeee25	[*] M570B2.	Flexible clamp only for Wibeee Max (25 cm length)	350-700 A
FLEX Wibeee54	[*] M570B3.	Flexible clamp only for Wibeee Max Plus (54 cm length)	100-1000-5000 A
B-Wibeee	[*] M570A2.	Wibeee Max carrying case	-
DIN-Wibeee	[*] M570A3.	Wibeee Max DIN accessory	-

		CVM-A1500A	CVM-A1500	QNA500-A	QNA500
		 	 	 	 
Assembly	Panel (mm)	144 x 144	144 x 144	-	-
	DIN rail (modules)	-	-	•	•
	Wall-mounted	-	-	•	•
Connection	Three-phase 3/4-wire	-	-	•	•
	Quadrants	4	4	4	4
Power supply		85-265V _{ac} / 120-300V _{dc} 20-120V _{ac} (OP)	85-265V _{ac} / 120-300V _{dc} 20-120V _{ac} (OP)	90-300V _{ac} / 100-300V _{dc}	90-300V _{ac} / 100-300V _{dc}
Parameters	Parameters per phase	•	•	•	•
	Power	0,2	0,2	0,2	0,2
	Active energy	0,2S (.../5A)	0,2S (.../5A)	0,2S	0,2S
	Reactive energy	1	1	0,5	0,5
	Maximum demand	•	•	•	•
	Harmonics	63	63	50	50
	THD U / THD I	•	•	•	•
	Tariffs	3	3	9	9
	Hours, cost, kgCO2	•	•	-	-
	Quality parameter measurements	Events (overvoltages, gaps and interruptions)	•	•	•
EN50160 parameters		•	•	•	•
Transients		•	•	•	•
Voltage input	Direct	600 V _{ph-N} 1000 V _{ph-ph}	600 V _{ph-N} 1000 V _{ph-ph}	600 V _{ph-N} 1000 V _{ph-ph}	600 V _{ph-N} 1000 V _{ph-ph}
	Indirect	Config	Config.	Config.	Config.
Input Current	.../5 A	•	•	•	•
	.../1 A	•	•	•	•
	.../250 mA	•	•	-	-
Inputs/outputs	Digital inputs	2	2	OP	OP
	Digital outputs	2	2	OP	OP
	Relay outputs	2	2	OP	OP
Communications	RS-232	-	-	•	•
	RS-485	•	•	•	•
	TCP/IP	•	•	•	•
Interface	Colour screen	•	•	-	-
Protocols	ModBus/RTU	•	•	•	•
	ModBus/TCP	OP	OP	•	•
	XML	•	•	-	-
	MBUS	OP	OP	-	-
	BACnet	•	•	-	-
	Profibus	OP	OP	-	-
	LonWorks	OP	OP	-	-
	Web server	HTML5	HTML5	HTTP	HTTP
	FTP	-	-	•	•
	Expansion modules	Digital inputs/outputs	OP (8 + 8)	OP (8 + 8)	OP (8 + 8)
Digital inputs / Relay outputs		OP (8 + 8)	OP (8 + 8)	OP (8 + 8)	OP (8 + 8)
Analogue inputs/outputs		OP (4 + 8)	OP (4 + 8)	-	-
Standards	Measuring in accordance with IEC 61000-4-30	Class A	According Class A	Class A	According Class S
	UL	certificate	certificate	•	•
	Measuring in accordance with MID	•	•	•	•

T - Depending on type / OP - Optional



NEW

CVM-A, Power quality analyzers with recording of quality events and transients Calibration Certificate (IEC 61000-4-30 Ed.2) Class A

Power supply 85...265 Vac / 120...300 Vdc, 600 Vp-n / 1000 Vp-p measurement



Type	Code	Size(mm)	Energy accuracy	Input current	Transistor output	Output relay	Digital inputs	Communications	Protocol
CVM-A1500A-ITF-485-ICT2	[2] M563110000A00	144x144	0,2S (.../5A)	.../5 A, .../1 A, 250 mA	2	2	2	RS-485, Ethernet	Modbus/BACnet, webserver (HTTP), XML, HTML5

4-quadrant measuring unit with PowerStudio embedded. Built-in Datalogger module. Optional Modbus/TCP. See expansion modules and accessories (Sealing gaskets) for CVM-A / CVM-B. Energy accuracy for module... /5 A

CVM-A, Power quality analyzers with recording of quality events and transients in accordance with (IEC 61000-4-30 Ed.2) Class A

Power supply 85...265 Vac / 120...300 Vdc, 600 Vp-n / 1000 Vp-p measurement



Type	Code	Size(mm)	Energy accuracy	Input current	Transistor output	Output relay	Digital inputs	Communications	Protocol
CVM-A1500-ITF-485-ICT2	[*] M56311.	144x144	0,2S (.../5A)	.../5 A, .../1 A, 250 mA	2	2	2	RS-485, Ethernet	Modbus/BACnet, webserver (HTTP), XML, HTML5

4-quadrant measuring unit with PowerStudio embedded. Built-in Datalogger module. Optional Modbus/TCP. See expansion modules and accessories (Sealing gaskets) for CVM-A / CVM-B. Energy accuracy for module... /5 A

QNA500, Advanced power quality analyzers (according Standard EN-50160 and IEC-61000-4-30)



agrupador

Type	Code	Energy accuracy	Class	Insulated input	Measuring Channels	Transistor output	Output relay	Digital inputs	Communications	Protocol	Harmonics	Memory
Power quality kits												
K-QNA500	[*] Q20911.	0,2S	S	-	-	-	-	-	RS-232, RS-485, Ethernet	Modbus/TCP, ZMODEM, FTP	50	8 GB
K-QNA500 8IO	[*] Q20912.	0,2S	S	-	-	8	-	8	RS-232, RS-485, Ethernet	Modbus/TCP, ZMODEM, FTP	50	8 GB
K-QNA500 8IOR	[*] Q20913.	0,2S	S	-	-	-	8	8	RS-232, RS-485, Ethernet	Modbus/TCP, ZMODEM, FTP	50	8 GB
K-QNA500-A	[*] Q20931.	0,2S	A	-	-	-	-	-	RS-232, RS-485, Ethernet	Modbus/TCP, ZMODEM, FTP	50	8 GB
K-QNA500-A 8IO	[*] Q20932.	0,2S	A	-	-	8	-	8	RS-232, RS-485, Ethernet	Modbus/TCP, ZMODEM, FTP	50	8 GB
K-QNA500-A 8IOR	[*] Q20933.	0,2S	A	-	-	-	8	8	RS-232, RS-485, Ethernet	Modbus/TCP, ZMODEM, FTP	50	8 GB
Additional modules												
QNA-500	[*] Q20901.	0,2S	S	-	-	-	-	-	TCP/IP	-	-	8 GB
QNA500-A	[*] Q20921.	0,2S	A	-	-	-	-	-	TCP/IP	-	-	8 GB
IO8	[*] Q20902.	-	-	0	0	8	0	8	TCP/IP	-	-	8 GB
IO8R	[*] Q20903.	-	-	0	0	0	8	8	TCP/IP	-	-	8 GB

Communications through the BASE module (mandatory). Check the maximum number of modules that can be connected for each BASE system. The QNA500 include the Power Vision+ software. Each unit is made up of a BASE module (power supply) + measuring module + inputs/outputs module (according to each type). Compatible with PowerStudio (version 4.02 and higher).

CVM-A

Code	Internal code	0	X	X	X	X	X	X	X	Delivery time
Power supply voltage	Standard (85...265 V _{ac} / 120...300 V _{dc})	0								-
	20...120 V _{dc}	F								1
Others	Metric fork terminals 3 - CAT III 300 V		B					T		-

QNA500

Code	Internal code	0	X	X	X	X	X	X	X	Delivery time
current input	Standard (.../5 A)	0								-
	.../1 A	1								1


RS2RS/TCP2RS/CMBUS, Communication converters

Type	Code	Description
LR1RS+PSAC	[2] M6215A.	LORA to RS-485 Converter (Modbus/RTU) . AC power supply (110...265 Vac)
LR1RS+PSDC	[2] M6215C.	LORA to RS-485 Converter (Modbus/RTU) . DC power supply (12 Vdc)
RS2RS	[*] M62141.	RS-232/485 Intelligent converter and amplifier (RTS control) for PC
USB-RS 485	[*] M54040.	USB to RS-485 Converter
USB-RS 232	[*] M54050.	USB to RS-232 Converter
TCP1RS+	[*] M62121.	RS-485 / Ethernet modbus/TCP Converter
TCP2RS+	[*] M54033.	RS-232/485 Converter / Ethernet Modbus/TCP. Built-in web server and web set-up
CMBUS-8	[*] M540A0.	M-Bus to Modbus Converter, up to 8 Mbus slaves
CMBUS-24	[*] M540B0.	M-Bus to Modbus Converter, up to 24 Mbus slaves


Modems, Communication accessories

Type	Code	Description
CM-GSM/GPRS	[I] Q30250.	GSM RS-232/485 Modem (includes antenna)
SGE-3G/GPRS	[*] Q30230.	GPRS-3G Modem with Ethernet communications (includes PS + antenna + cable)
ANTENA GSM UT-35 9dB	[1] Q4994E.	Antenna 9 dB (for GSM modem)


MC1, Triple scale single-phase efficient transformers

Type	Code	Measurement Range (A)	A Max.	Class 0,5 Power (VA)	System	Usefull diam.(mm)
MC1-15-75	[*] M73112.	75	75	0,25	Single-phase	15
MC1-20-50/100/150 A	[*] M73118.	50/100/150	150	0,25	Single-phase	20
MC1-35-50/100/150 A	[*] M73116.	50/100/150	150	0,25	Single-phase	35
MC1-20-150/200/250 A	[*] M73113.	150/200/250	250	0,25	Single-phase	20
MC1-30-250/400/500 A	[*] M73114.	250/400/500	500	0,25	Single-phase	30
MC1-55-500/1000/1500 A	[*] M73115.	500/1000/1500	1500	0,25	Single-phase	55
MC1-80 1000/1500/2000 A	[*] M73117.	1000/1500/2000	2000	0,25	Single-phase	80


MC3, Three-phase current transformers

Type	Code	A Max.	Class 0,5 Power (VA)	System	Usefull diam.(mm)
MC3 - 63 A	[*] M73121.	63	0,1	Three-phase	7,1
MC3 - 125 A	[*] M73122.	125	0,1	Three-phase	14,6
MC3 - 250 A	[*] M73123.	250	0,1	Three-phase	26


SC3, Split three-phase current transformers

Type	Code	A Max.	Class 0,5 Power (VA)	System	Usefull diam.(mm)
SC3-125	[*] M73602.	125	0,1	Three-phase	15

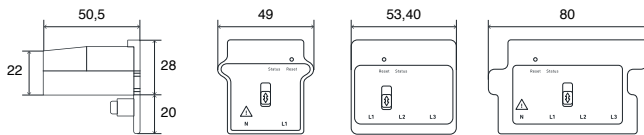


PowerStudio, Energy management software

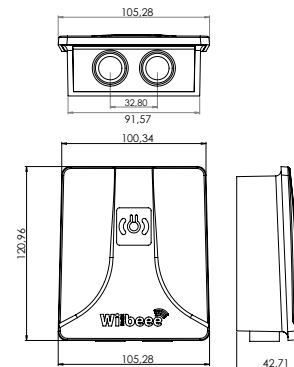
Type	Code	Description
Software SCADA		
PowerStudio	[*] M90211.	Software with USB HASP licence. Configuration, monitoring in real time, display of graphs and tables
PowerStudio-Scada	[*] M90231.	Software with USB HASP licence. Configuration, monitoring in real time, display of graphs and tables, generation of reports, creation of SCADA screens and alarms
PowerStudio-Deluxe	[C] M90241.	Software with USB HASP licence. Software PowerStudio-Scada with Generic Modbus driver used to connect to other devices available in the market
OPC Server PS/PSS	[1] M91111.	Software with USB HASP licence. OPC Sever for PowerStudio is an integration platform that can easily integrate the parameters received from PowerStudio (or any of its versions) in any SCADA platform available in the market with a simple approach.
SQL DATA EXPORT	[1] M91301.	Software with USB HASP licence. SQL Data Export for PS/PSS is a software tool for the integration of data from PS/PSS to a new or existing SQL database.

License 4.0 version 4.0

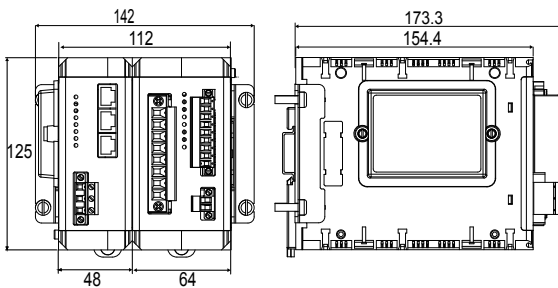
Wibeee



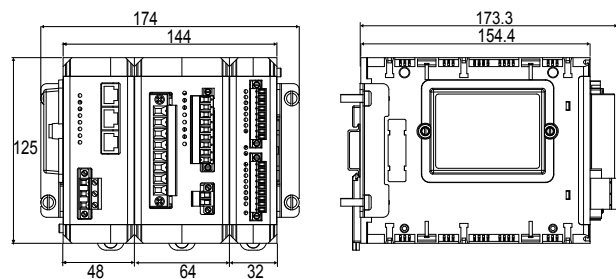
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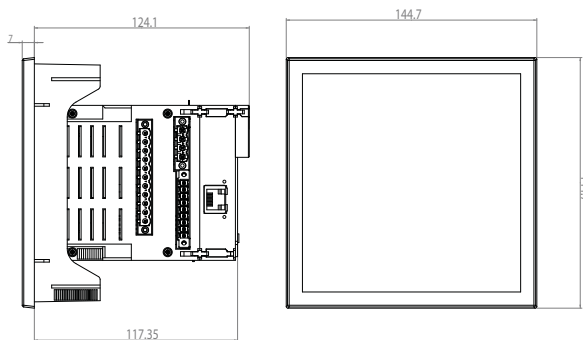
QNA 500 / QNA 500A



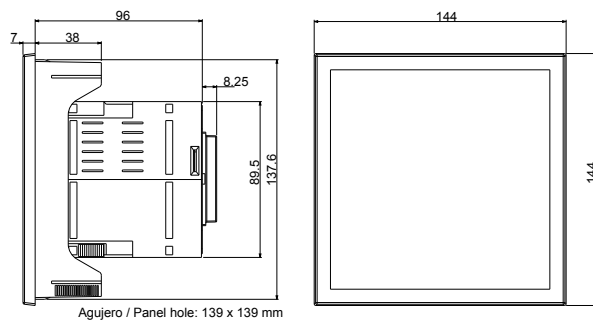
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CVM A 1500 / CVM A 1500A

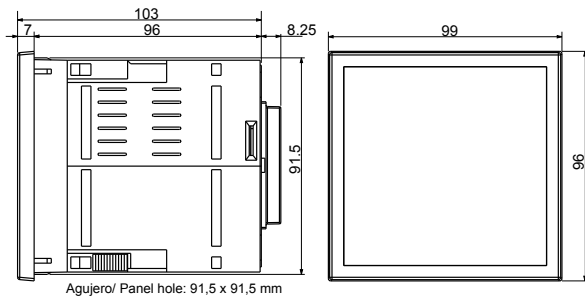


CVM B150

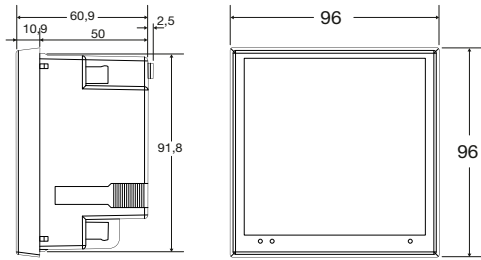




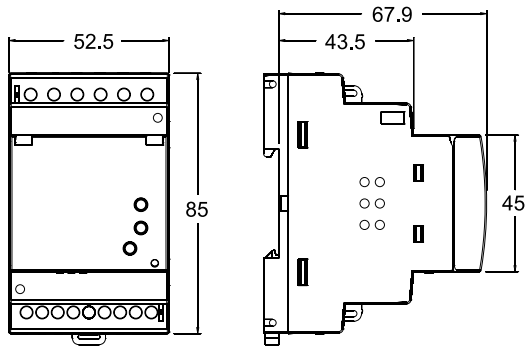
CVM B100



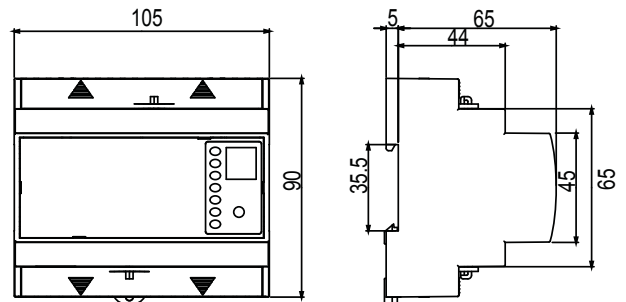
CVM C5 / CVM C10



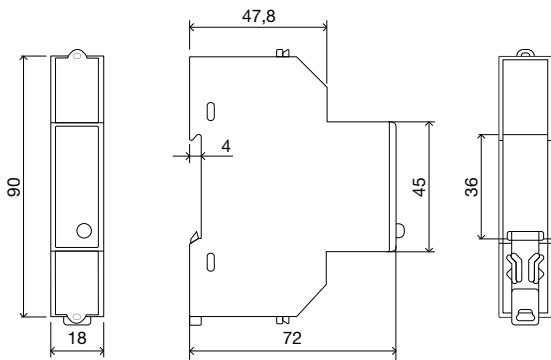
CVM MINI / CVM NET



CVM NET4+



CEM-6



CVM-E3-MINI

