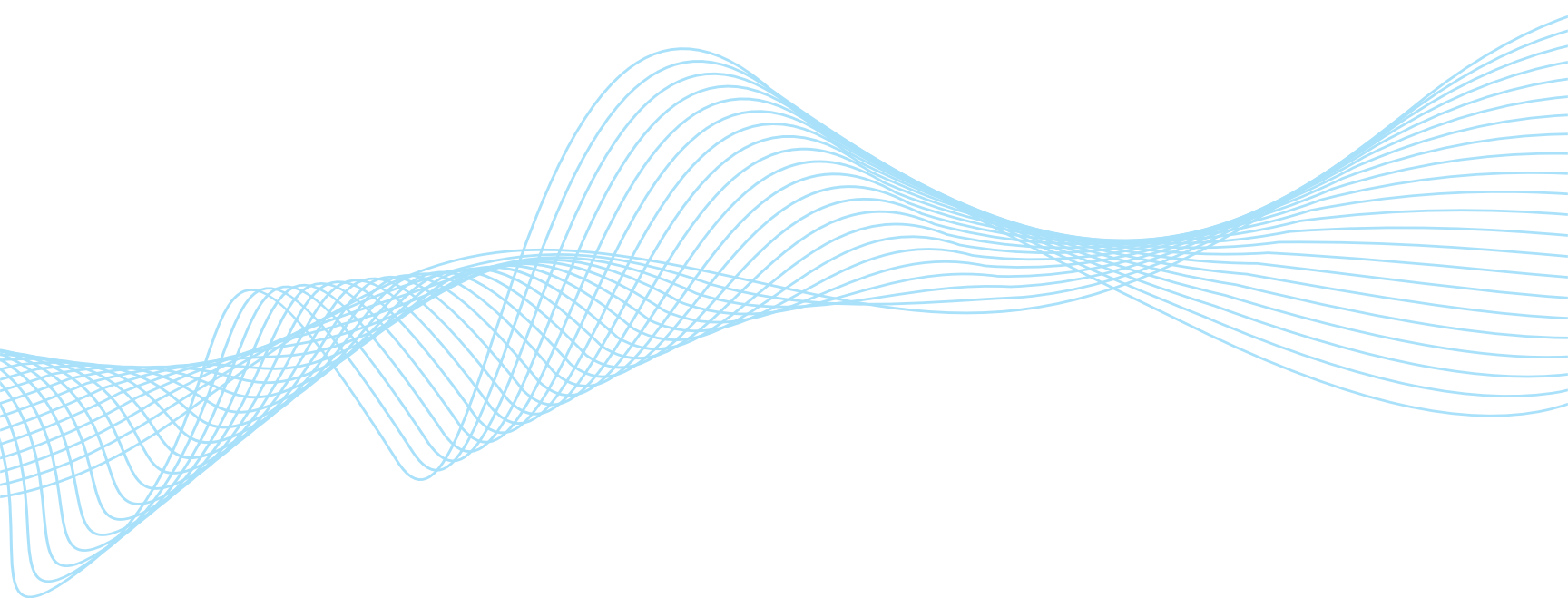


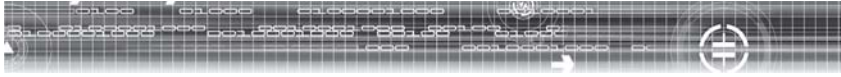
AC Digital Panel Meter

| 48x96 | 96x96 |



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AC Digital Panel Meter

48 x 96	AC Ammeter
96 x 96	AC Voltmeter
	for multirange alternate current & voltage measurement



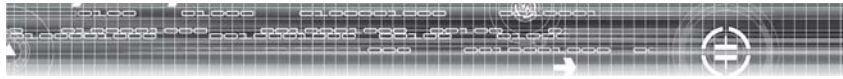
The AC Digital Panel Meter come in 2 standard sizes 48x96, 96x96mm. The AC DPM's are designed for industrial applications which require precise and onsite adjustment for display ranges for AC parameter measurements

GENERAL FEATURES:

APPLICABLE STANDARDS	
Performance standard for direct acting instrument	DIN EN60051
Digital Measurement	DIN 43 751
Device Safety	IEC 61010
Protection Class (Front Facia)	IP 20 according to IEC 60529 IP 54 (IP 65 on request)
Safety Class	II according to IEC 348/ VDE 0411
Climatic Class	Class 2 VDE / DIN 3540
EMC Immunity	DIN EN 61000-4-1 to 4
EMC Radiated Interference	DIN EN 50081 Class B

FACT SHEET:

Casing Details	Moulded case suitable for mounting in control / switchgear panels, machinery console
Case Material	Glass filled polycarbonate, Flame retardant & drip proof as per UL 94 V0
Front Facia	Glass-polycarbonate (RED transparent)
Color of Bezel	Black
Position of use	Vertical
Panel Fixing	Metal side clamps
Panel thickness	≤40mm
Terminals	Plug-in screw terminal block
Display Type	Bright RED seven segment LED
Display Count	1999 & 19999
Negative display indication	"_"
Overload indication	Last 3 digits blank
Setting Time	<1sec. (0...99%)
ISOLATION:	
DC voltage version	1kV
AC voltage version	2kV
AMBIENT CONDITIONS:	
Operating Temp.	0...55°C
Storage Temp.	-40°C...80°C



TECHNICAL SPECIFICATIONS:

Model	48x96AC	48x96ACI 96x96-196A 96x96-396A 96x96-196AN ¹ 96x96-396AN ¹	48x96ACV 96x96-196V 96x96-396V 96x96-196VN ¹ 96x96-396VN ¹
Measured Qty	Voltage, Current	Current	Voltage
Measurement Range	0...1A _{ac} 0...5A _{ac} 0...500V _{ac}	0...1A _{ac} 0...5A _{ac}	0...500V _{ac} ²
Frequency Range	For 45Hz - 65Hz & 400Hz		
Range selection by	Positioning DIP switches/ input choice	NA	NA
Range adjustment span	from 10% - 100% of range	from 5% - 100% of range	
Accuracy	<0.5% + 1D		
Display range	1999 & 19999		
Decimal point position	Selectable by rear jumper position & / or short link position		
Digit Height	14mm, 20mm ³ & 26mm/7-segment digits		
Temperature coefficient	100 ppm / °C, plus		
Zero point drift	200 ppm / °C, plus		

DIMENSIONS & WEIGHTS

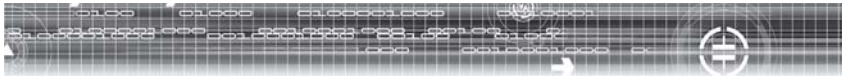
Bezel size	96x48mm & 96x96mm DIN 43718
Panel Cutout	92 + 0.8mm x 43.5 + 0.6mm & 92 + 0.8mm x 92 + 0.8mm
Overall depth	138mm 48x96, 55mm for 96x96 models & 145mm
Weight	500g. approx. for 48x96 & 96x96 models 1000g.

POWER SUPPLY

Direct voltage DC	5V +/- 10%
	12V +/- 10 %
	24V (21...30 VDC)
	48V +/- 10 %
	110V +/- 10 %
Alternating voltage AC	24V +10%, -15%
	115V + 10% -15%
	230V + 10% -15%
Power Consumption	max 5.5W approx (isolated)

Note :

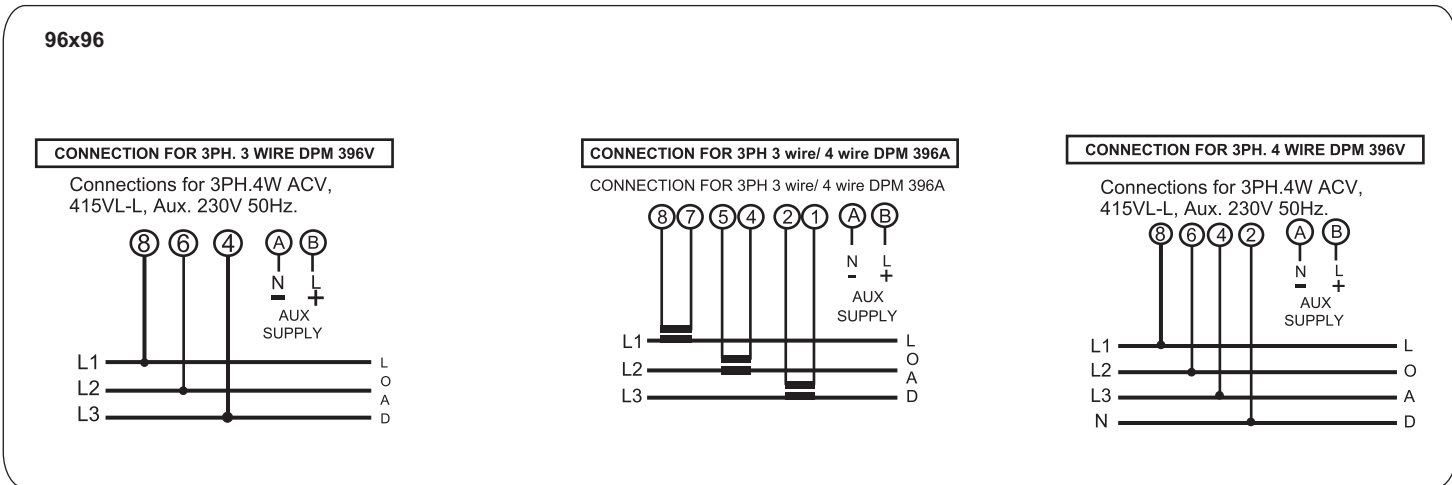
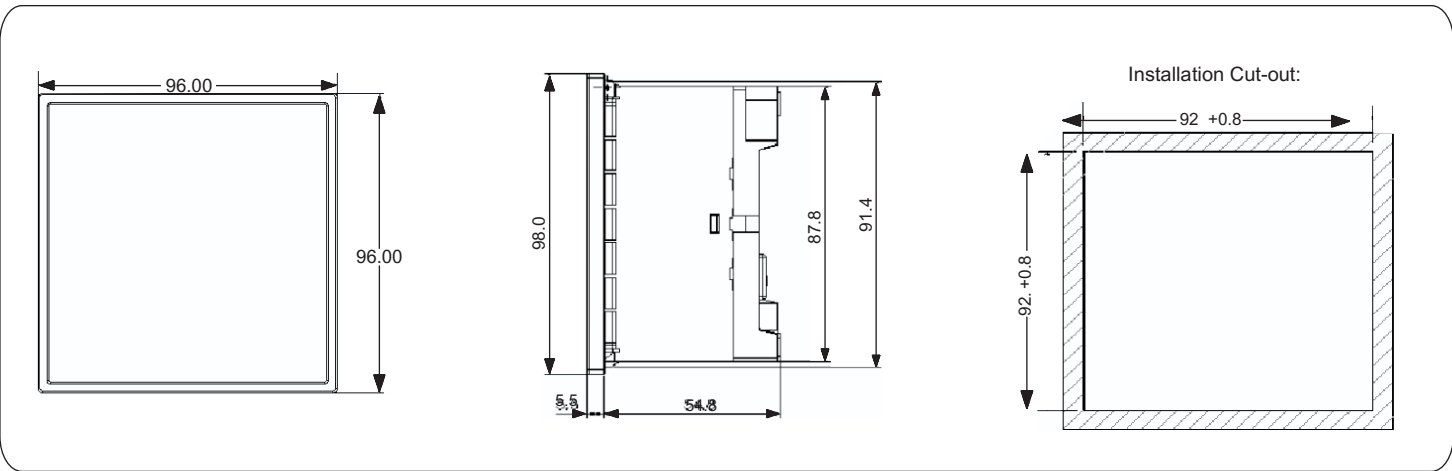
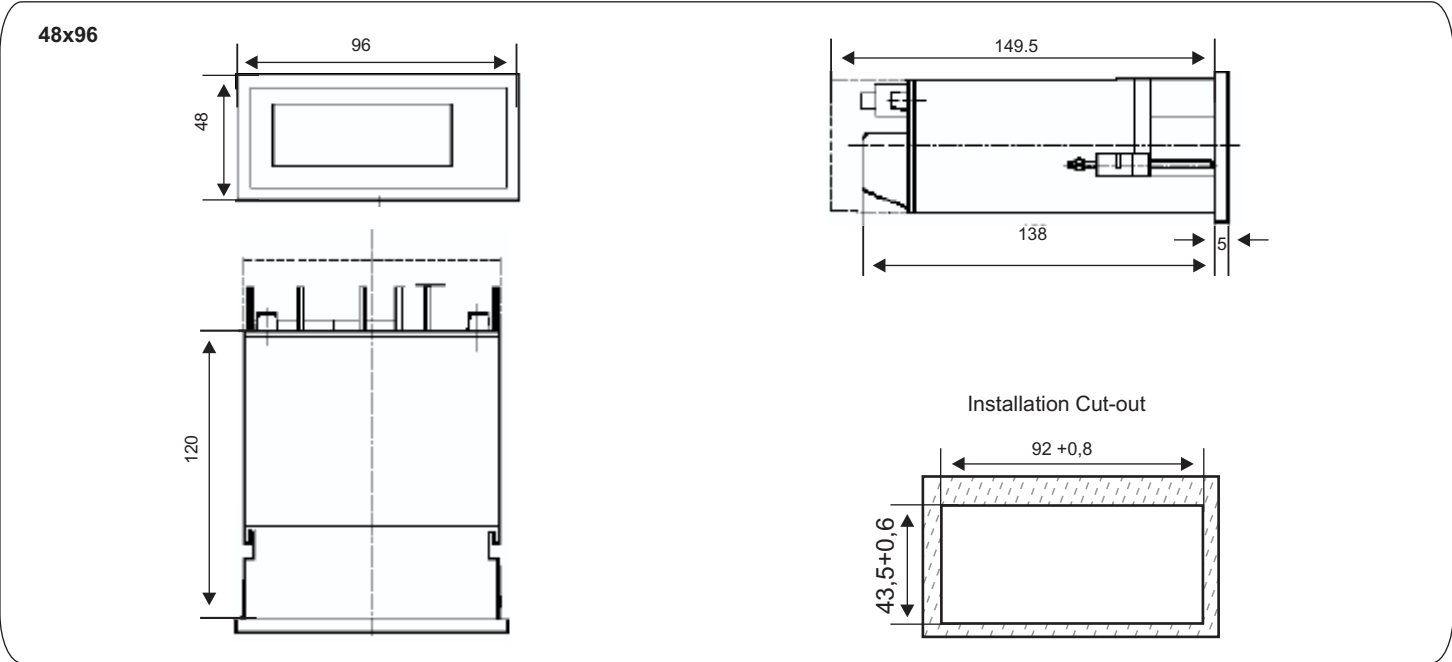
- 1) 4 ½ Digit DPM
- 2) For 3 phase voltage DPM voltage range are 0...110V_(LL), 0...240V_(LL) & 0...415V_(LL)
- 3) On request 20mm display height available
- 4) For low backdepth only 60mm

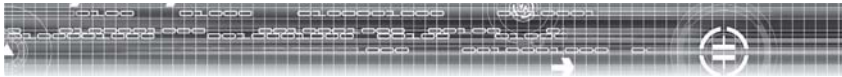


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DIMENSIONAL DRAWINGS:

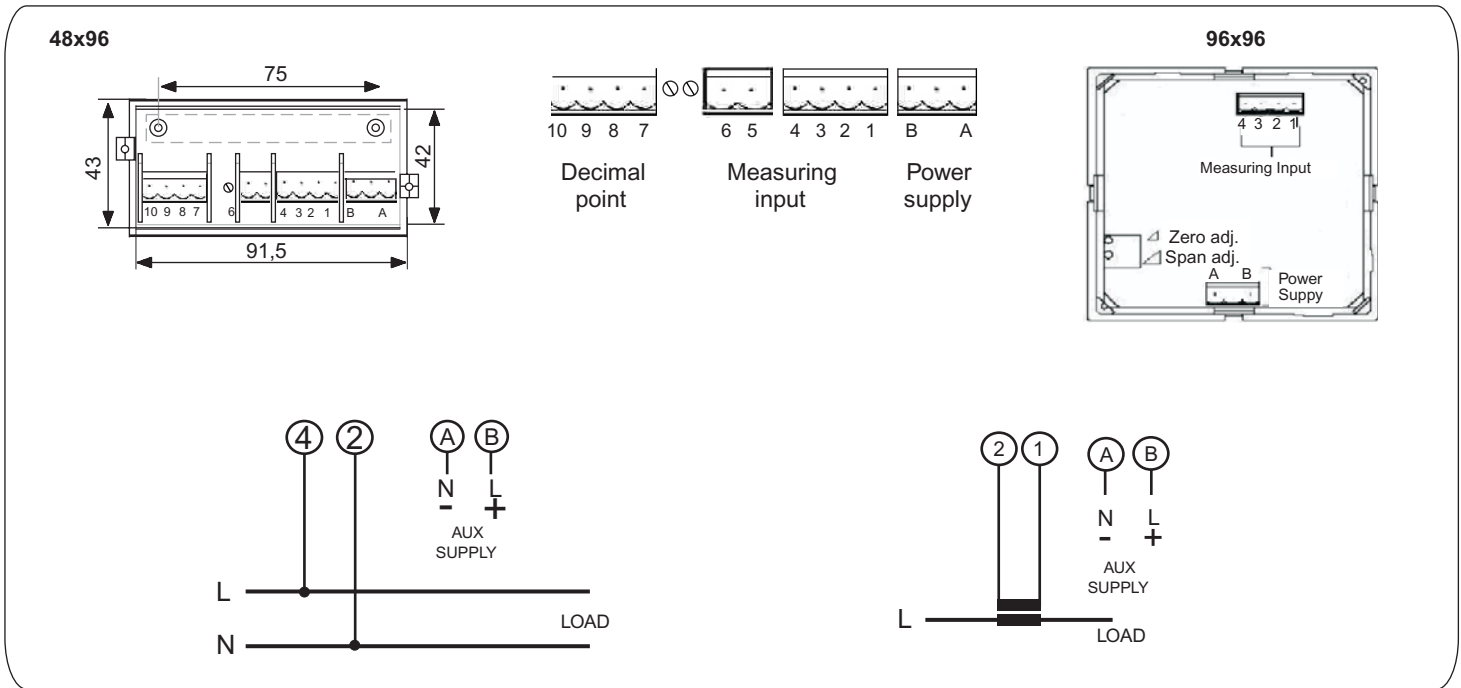




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CONNECTION DIAGRAMS :



DECIMAL POINT SELECTION :

Decimal Point position is selectable by short links at the front side of Display

Short Link Position	Decimal Point Position On Display
	XXXX
	X.XXX
	XX.XX
	XXX.X

Note : For 96x96 DPM only

ORDERING INFORMATION

Please specify ordering information as given below,

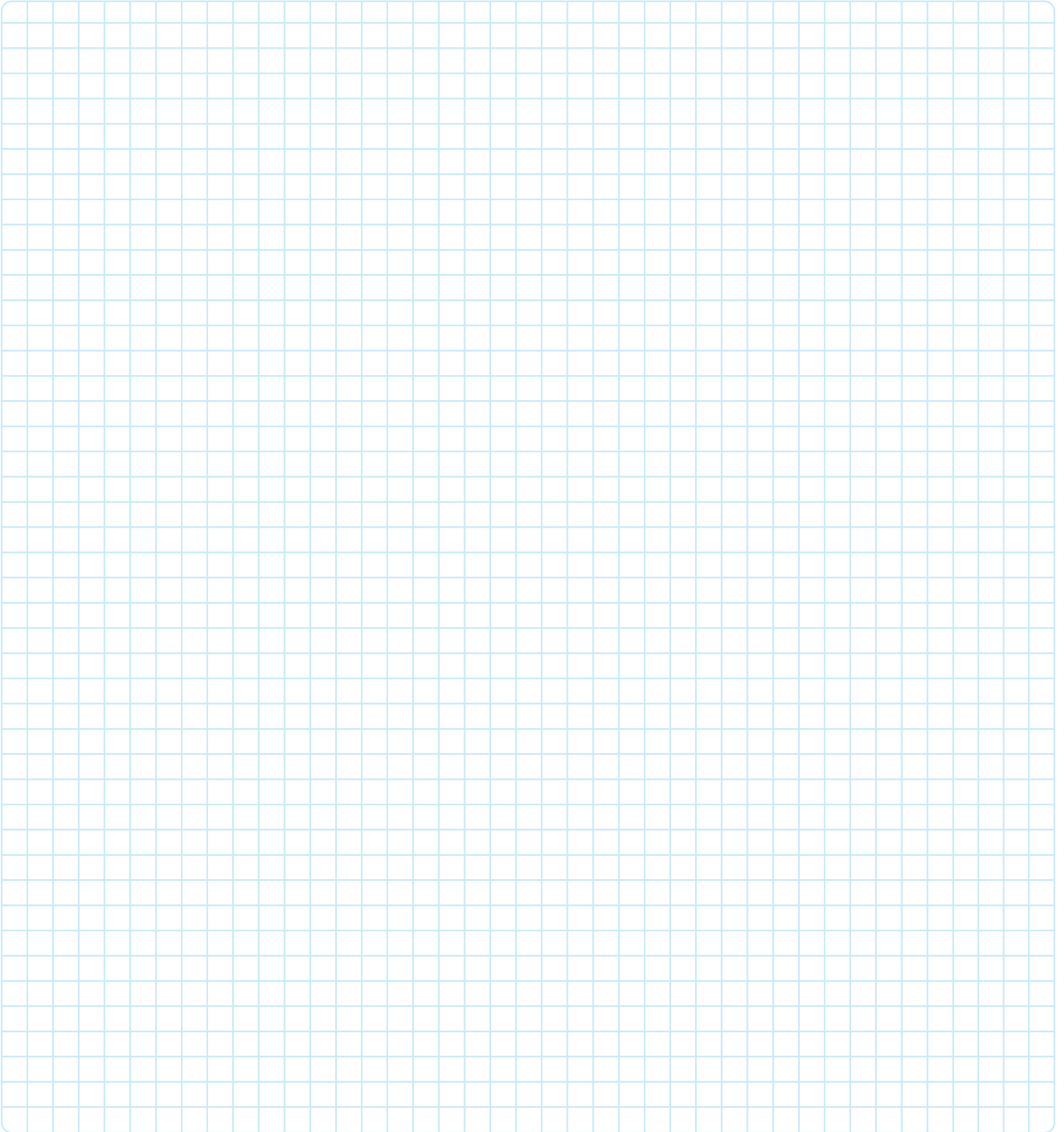
Type	Measuring Input	Display	Display caption	Options	Supply voltage
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ORDERING EXAMPLE

48x96 AC I	5 A	1000 A	A	96 Adaptor Plate	230 V AC
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