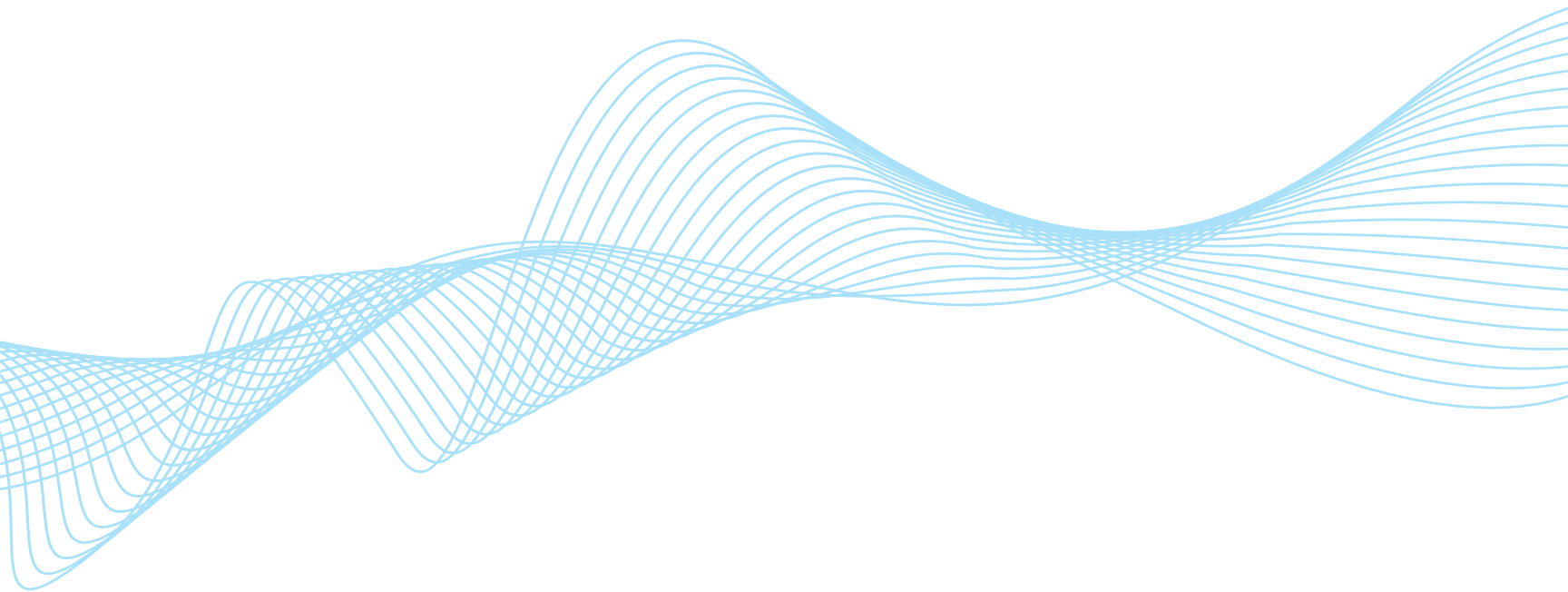


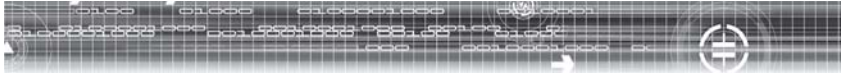
Temperature Measurement

| 48x96T |



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Redefine Innovative Metering



Digital Panel Meter for Temperature Measurement

48 x 96T | Digital panel meter for measuring temperature with RTD input



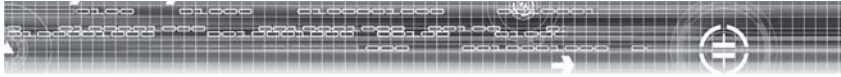
The Temperature Measuring Digital Panel Meter comes 48x96mm size. This instrument accepts resistance input from PT100 and Ni100 sensor, with 2/3/4 wire, and displays the proportionate temperature. The Temperature Measuring DPM's are designed for industrial applications which require precise and onsite adjustment for display ranges.

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 54 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
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...50°C
Storage Temp.	-40°C...80°C



TECHNICAL SPECIFICATIONS:

Model	48x96T
Measured Qty	Temperature
Measurement Range	-100°C...850°C -199.9°C...199.9°C 2-,3-,4-, wire
Sensor type	PT100, Ni100
Range selection by	Positioning DIP switches
Range adjustment span	5%
Accuracy	<0.2% + 1D
Display range	1999
Decimal point position	Selectable by rear jumper position
Digit Height	14mm /7-segment digits
Temperature coefficient	100 ppm / °C, plus
Zero point drift	100 ppm / °C, plus

DIMENSIONS & WEIGHTS

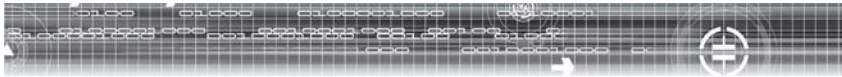
Bezel size	48x96mm DIN 43718
Panel Cutout	92 + 0.8mm x 43.5 + 0.6mm
Overall depth	138mm 48x96
Weight	500g. approx.

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)

OPTIONS

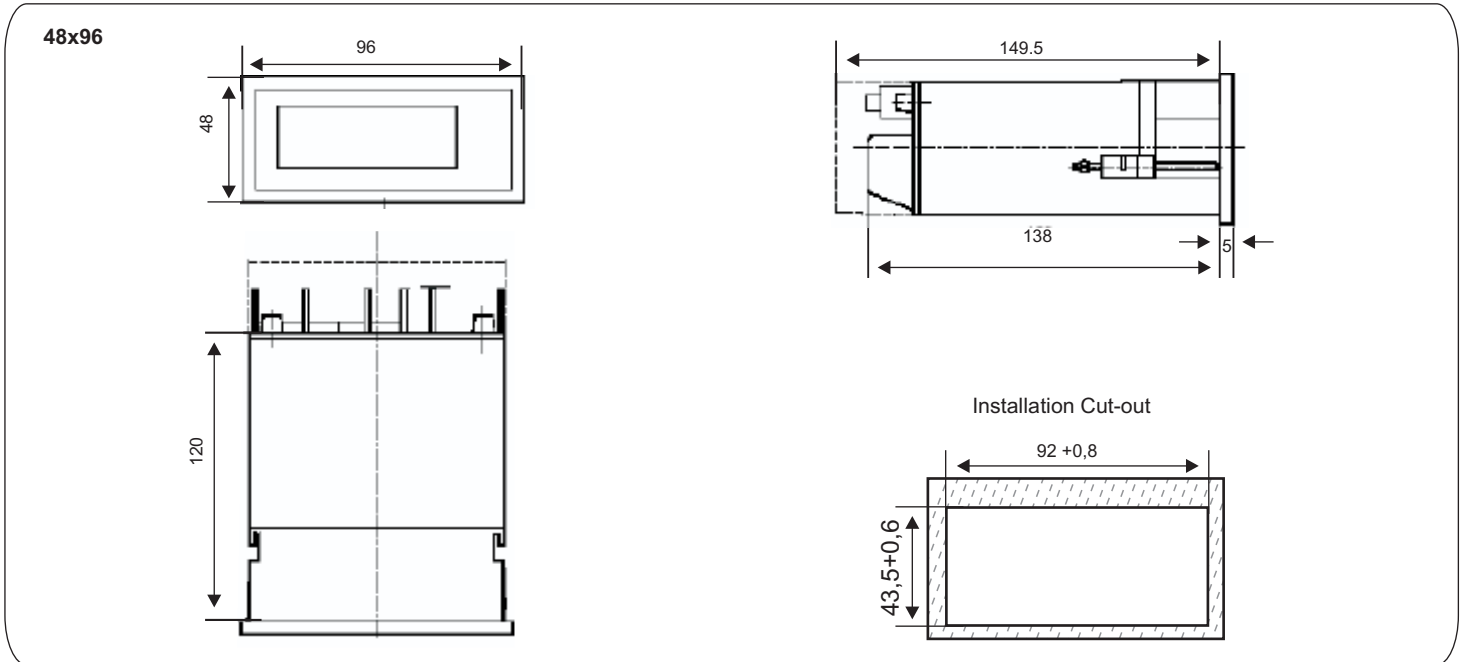
HOLD input	Yes
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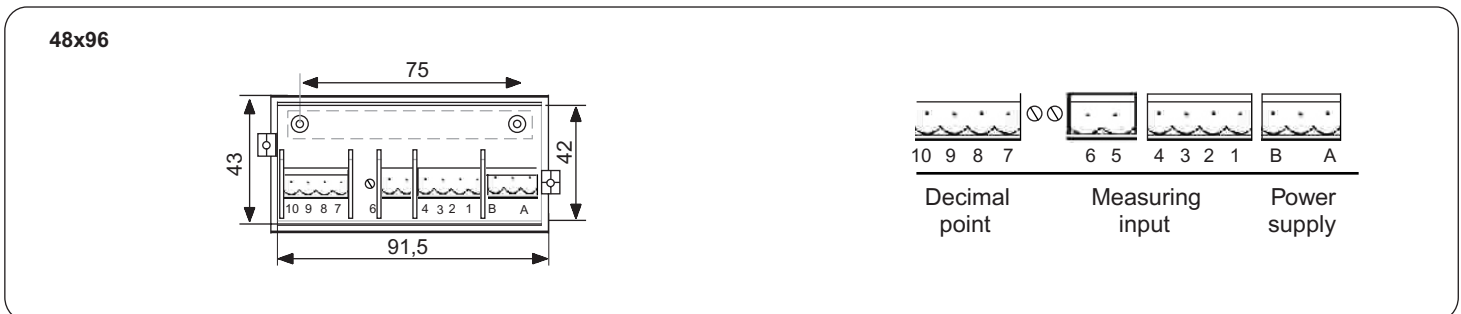
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DIMENSIONAL DRAWINGS:



CONNECTION DIAGRAMS :



ORDERING INFORMATION

Please specify ordering information as given below,

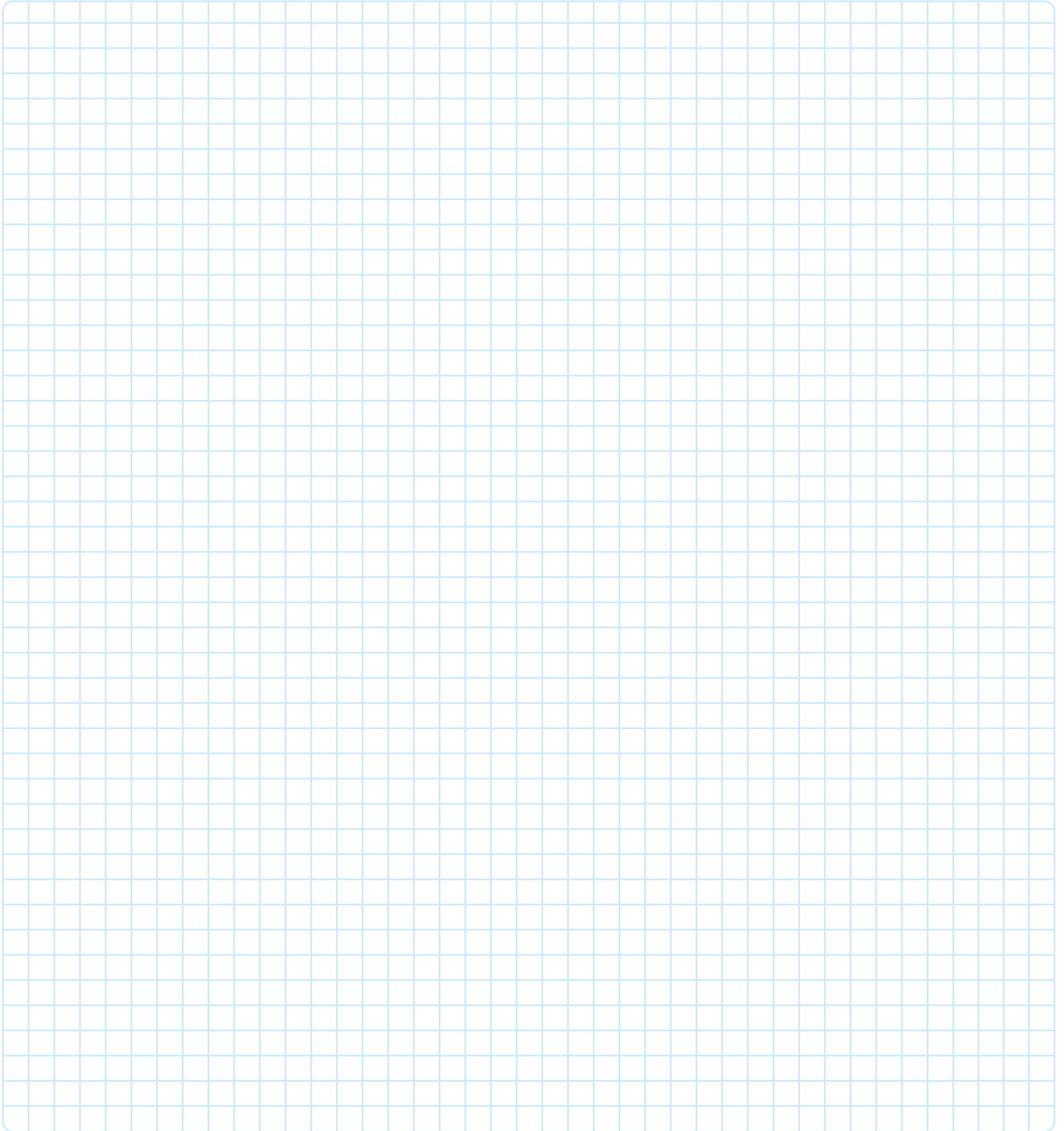
Type	Measuring Input	Display	Display caption	Options	Supply voltage
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ORDER EXAMPLE

48x96 T	PT 100 0...100°C	0...100°C	°C	Hold Option	115 V AC
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