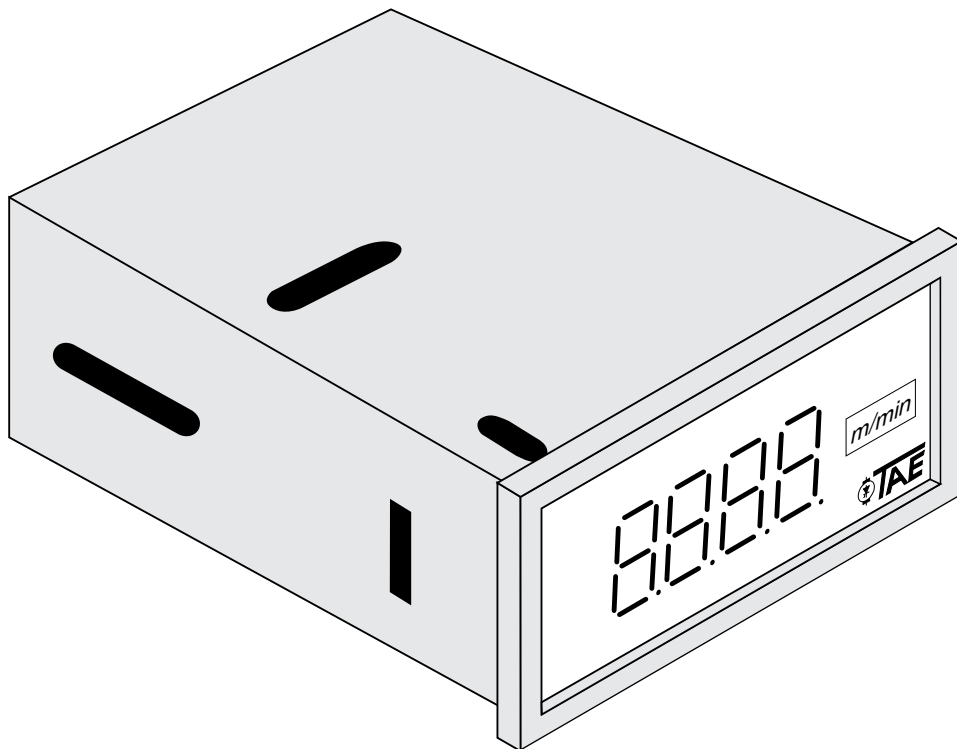


# Voltmeter DMI 2000

Instruction and Operating Manual



**Caution :**

As with any form of electrical equipment, there is always a risk involved in the handling of electrical machinery. The greatest care must always be exercised during installation and maintenance, and it is recommended this be carried out by authorized personnel.

## 1.0 Technical data

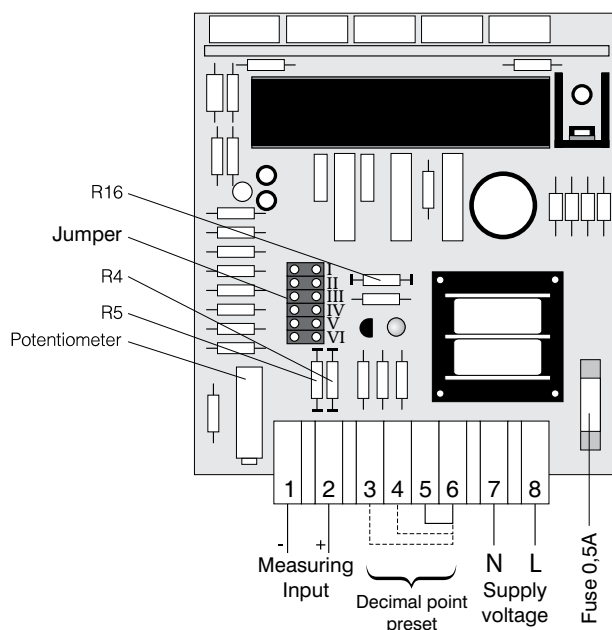
<b>Supply voltage:</b>	230V 50/60 Hz or 24VDC (other voltages on request)
<b>Max. power consumption:</b>	3VA
<b>Display:</b>	14mm 7-Segment LED-rot
<b>Decimal point:</b>	programable with jumper (external)
<b>Meßeingang:</b>	0-20 VDC or 0-500VDC
<b>Display:</b>	A, m/min, m, UPM, %, L/sec (other on request)
<b>Anschlußart:</b>	Screw terminals (back side)
<b>Weight:</b>	275g

	number of digits			
	2,5	3,0	3,5	4,0
<b>Fault deviation:</b>	1%	1%	0,1%	0,1%
<b>Max. display:</b>	199	999	1999	9990

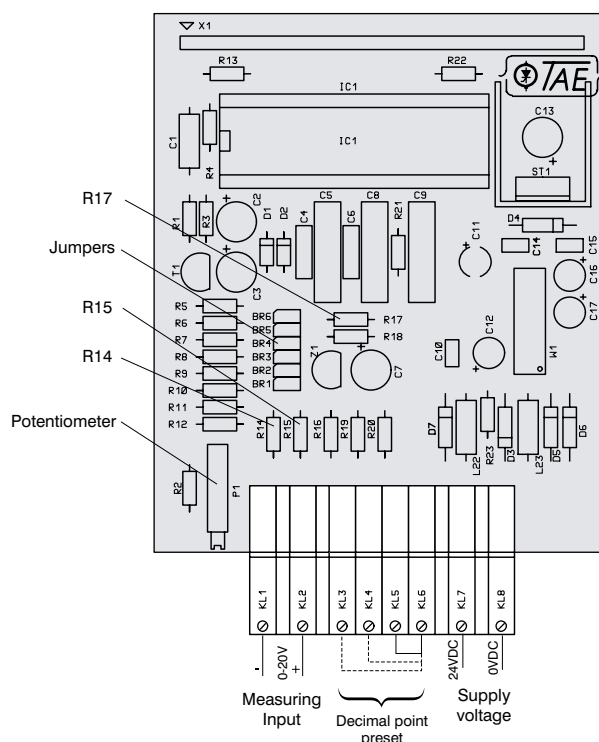
<b>Supply voltage</b>	<b>230VAC</b>	<b>R4</b>	<b>R5</b>	<b>R16</b>
	<b>24VDC</b>	<b>R15</b>	<b>R14</b>	<b>R17</b>
<b>Measuring input</b>	<b>20VDC</b>	5k6	33k	100k
	<b>500VDC</b>	180k	180k	10k

## 2.0 Connection and Design

Supply voltage 230VAC



Supply voltage 24VDC

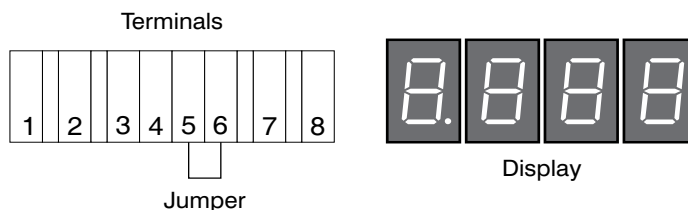
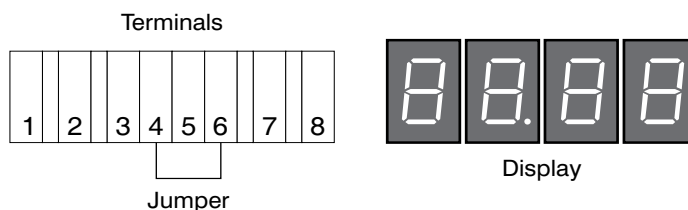
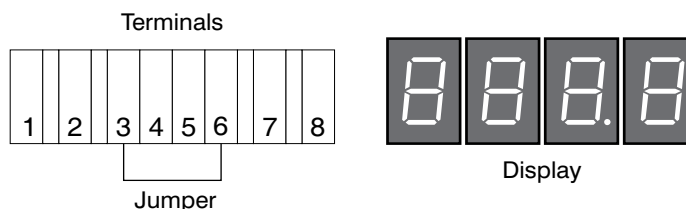


### 3.0 Adjustment of the DMI 2000

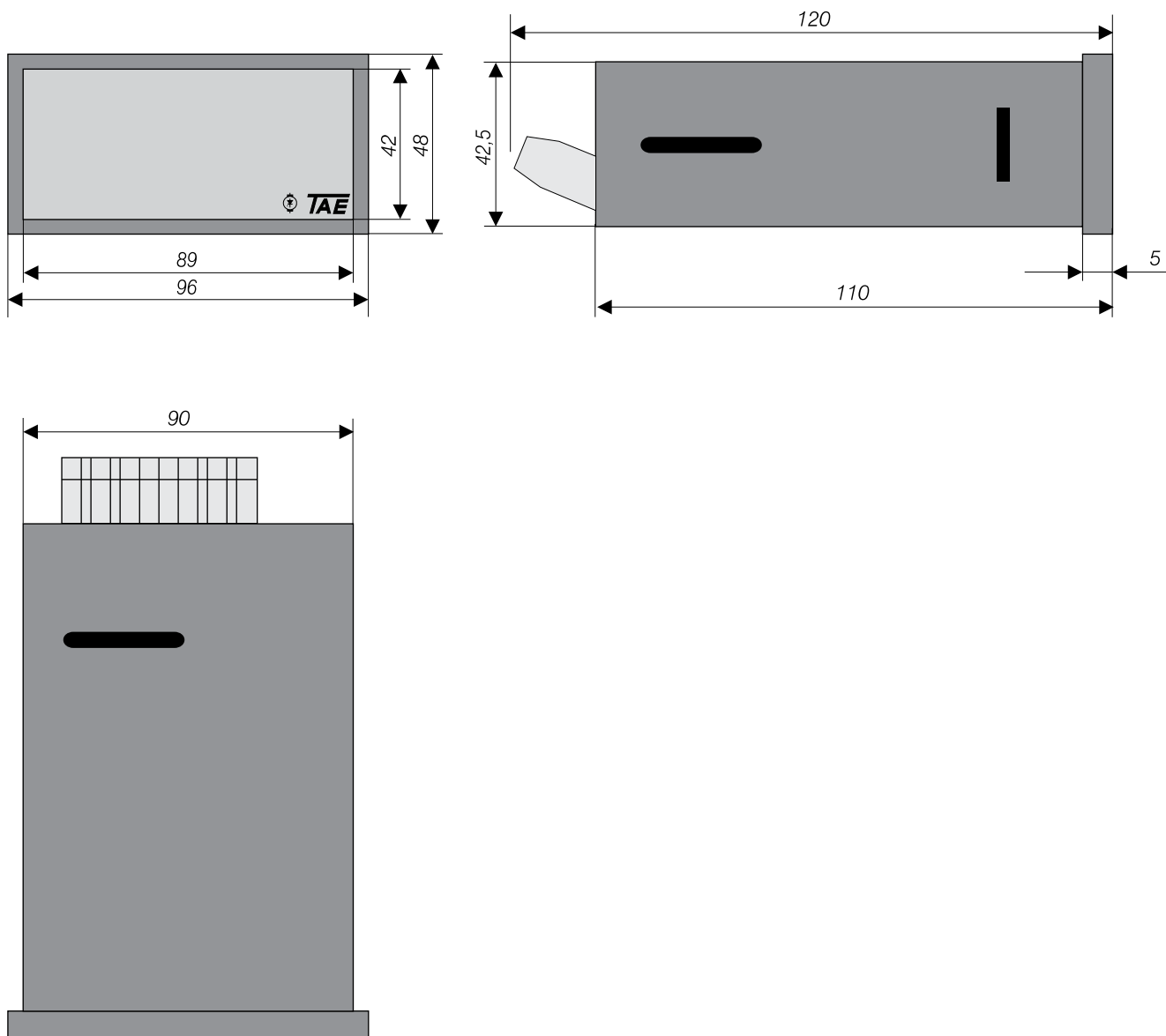
		Input voltage by 199,1999, 999 und 9990 all values in volt							
Display		199 and 1999				999 and 9990			
Potentiometer adjustment		fully ccw		fully clockwise		fully ccw		fully clockwise	
Volt DC		20	500	20	500	20	500	20	500
<b>Jumpers</b>	I- V offen	58	671	21	248	60	627	21,7	228
	I	31	388	12	145	33,9	368	12,2	132,6
	II	19	238	6,9	89	19,55	224	7,04	81
	III	11	151	4,2	56	11,4	143	4,1	51,5
	IV	7,1	101	2,7	38	6,74	96	2,4	34,6
	V	4,2	66	1,6	25	3,45	63	1,25	22,7
	VI	2,7	47	1,1	18	1,66	44,9	0,6	16,2

By using a DMI-2000 with a display 999 and 9990 please note that the input voltage may not exceed the adjusted range, because in this case the display starts with 0 again.

### 4.0 Setting the decimal point



5.0 Dimensions



All dimensions in millimeters