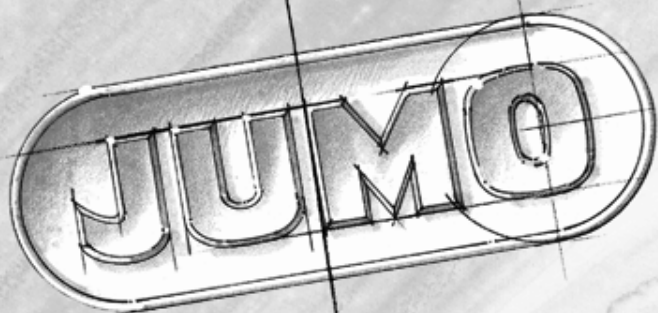




JUMO di 48

Programmierbares
Anzeigeeinstrument

Programmable
digital indicator

B 95.1520.4
Montageanleitung
Installation Instructions

11.00/00346264

Besonderheiten

- Konfiguration über Setup-Programm für PC
- galvanisch getrennter Meßeingang
(Setup nicht galv. vom Meßeingang getrennt)
- Vielfältige Anschlußmöglichkeiten:
 - Widerstandsthermometer in Zwei-/Drei-/Vierleiterschaltung
 - Thermoelement
 - Widerstandsferngeber
 - Einheitssignale
 - Potentiometer in Zwei-/Drei-/Vierleiterschaltung
- interne Vergleichsstelle
- kundenspezifische Linearisierung
- Offsetkorrektur
- Eingangsfiler zur Unterdrückung von Störungen
- 24-V-Spannungsversorgung für Zweidraht-Meßumformer

1 Typenerklärung und Abmessungen

Grundtyp

1.

2.

951520 /

...

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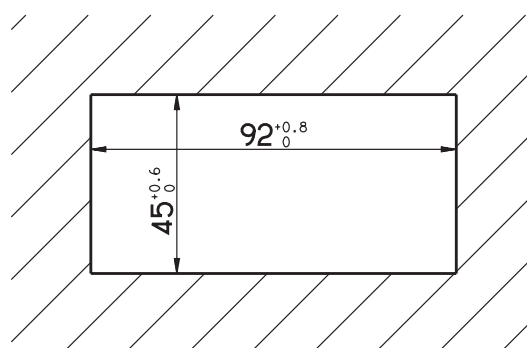
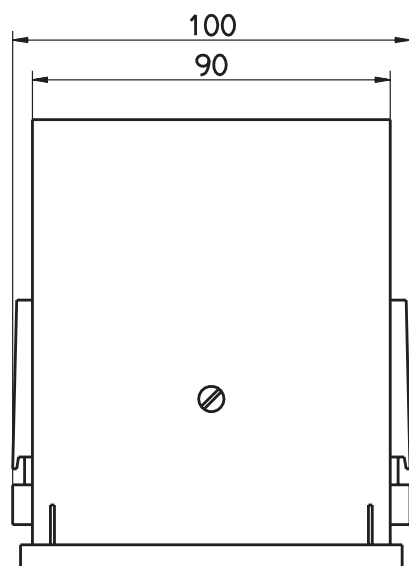
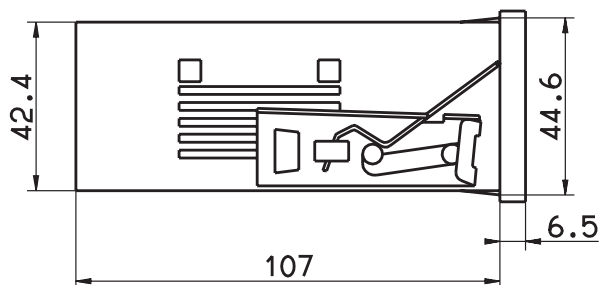
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(1) Eingang

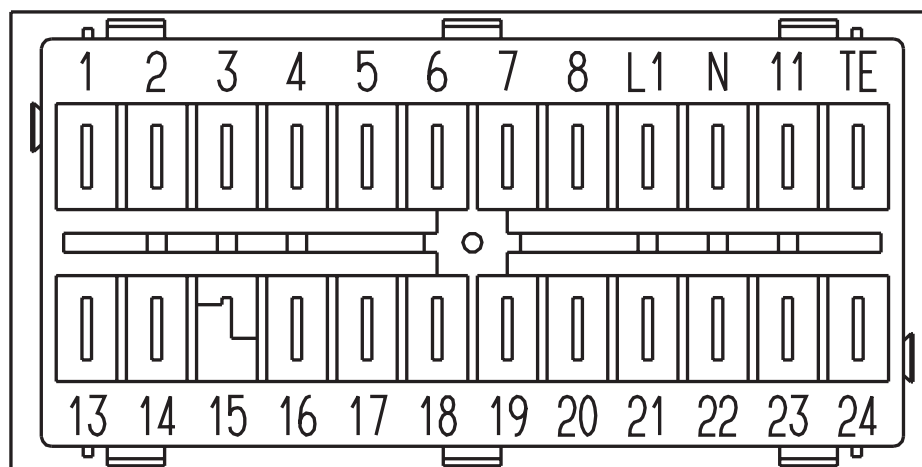
	Kennziffer
Universeller Messeingang programmierbar,	888
Kundenspezifisch	999

(2) Spannungsversorgung

	Kennziffer
AC 48 ... 63Hz, 110 ... 240V, +10/-15%	23
AC/DC 20 ... 53V, 48 ... 63Hz	22

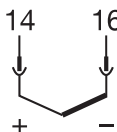
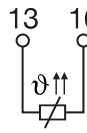
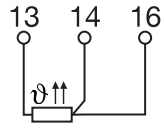
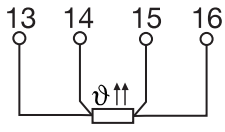
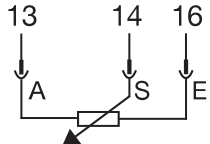
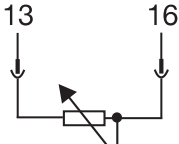
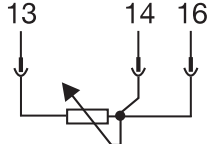
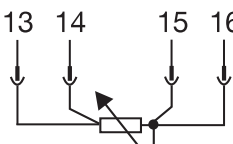


2 Anschluss



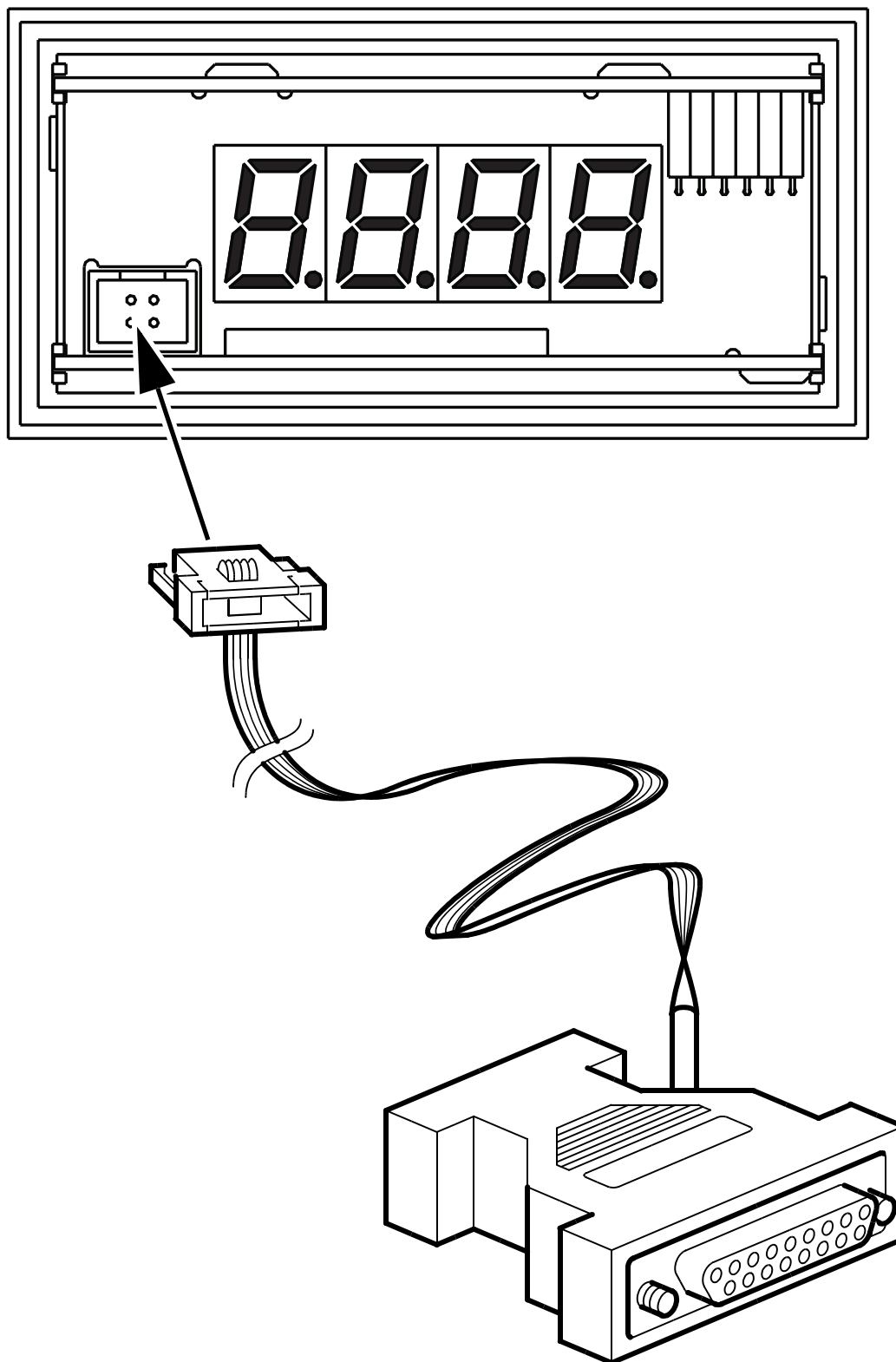
Anschluss für	Anschlussbelegung		Symbol
Spannungsversorgung lt. Typenschild	L1 N TE	Außenleiter Neutralleiter Technische Erde	L+ L— L1(L+) N(L-) TE
Ausgang			
Spannungsquelle	1+ 2-	24V/45mA Spannungsversorgung für Zweidraht-Messumformer	1 2 + -
Messeingang			
Spannung	14+ ≤ 1V 16-		14 16 + - U_x
	17+ ≤ 10V 16-		17 16 + - U_x
Strom	18+ ≤ 10mA 16-		18 16 + - I_x
	15+ ≤ 200mA 16-		15 16 + - I_x

2 Anschluss

Anschluss für	Anschlussbelegung	Symbol
Thermo- elemente	14+ 16-	
Widerstands- thermometer	Zweileiteranschluss: 13 Leitungswiderstand $R_L \leq 30\Omega$ 16 R_L wird im Setup-Programm angegeben	
	Dreileiterschaltung: 13 14 16	
	Vierleiterschaltung: 13 14 15 16	
Widerstands- ferngeber	13 A = Anfang 14 S = Schleifer 16 E = Ende	
Potentiometer	Zweileiteranschluss 13 Leitungswiderstand $R_L \leq 30\Omega$ 16 R_L wird im SETUP-Programm angegeben	
	Dreileiterschaltung 13 14 16	
	Vierleiterschaltung 13 14 15 16	

3 PC-Interface für Setup

- * Vordere Abdeckung mit einem Schraubendreher vorsichtig heraushebeln





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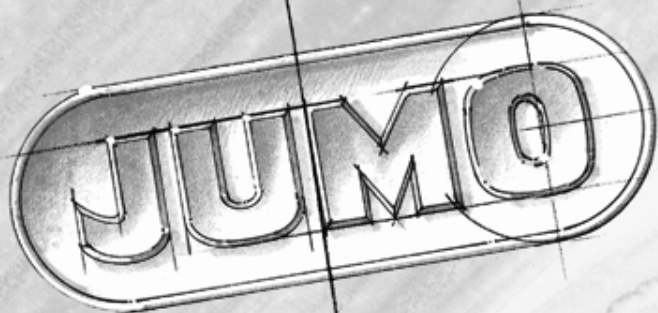
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JUMO di 48

Programmable
digital indicator

B 95.1520.4
Installation Instructions

Features

- configuration from PC through setup program
- electrically isolated measurement input
(setup is not isolated from the measurement input)
- many different inputs possible:
 - resistance thermometer in 2-/3-/4-wire circuit
 - thermocouple
 - resistance transmitter
 - standard signals
 - potentiometer in 2-/3-/4-wire circuit
- internal cold junction
- customised linearisation
- offset correction
- input filter for interference suppression
- 24 V supply for 2-wire transmitter

1 Type designation and sizes

Standard
version

1.

2.

951520 /

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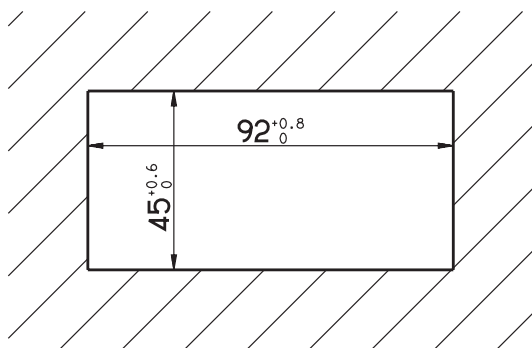
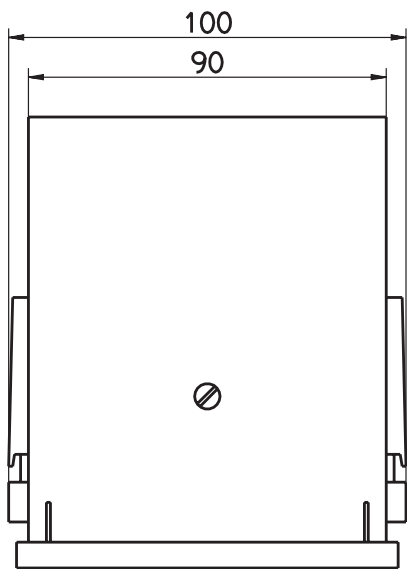
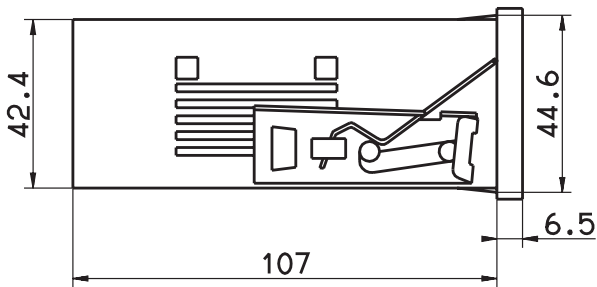
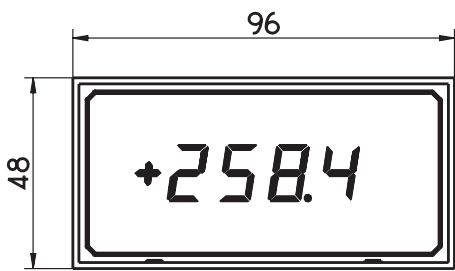
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(1) Input

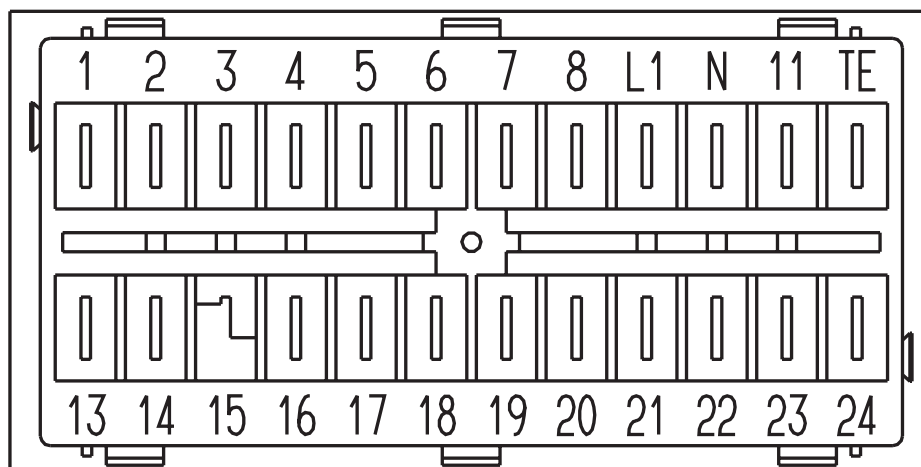
	Code
Universal measurement input, programmable	888
Customised	999

(2) Supply voltage

	Code
110 — 240V AC, +10/-15%, 48 — 63Hz	23
20 — 53V DC/AC, +/- 0%, 0/48 — 63Hz	22

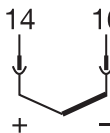
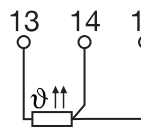
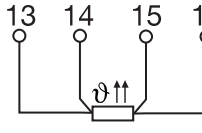
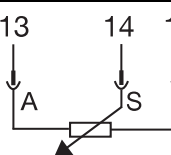
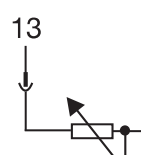
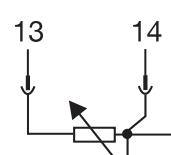
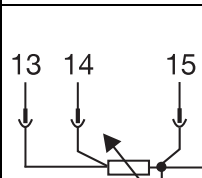


2 Connection



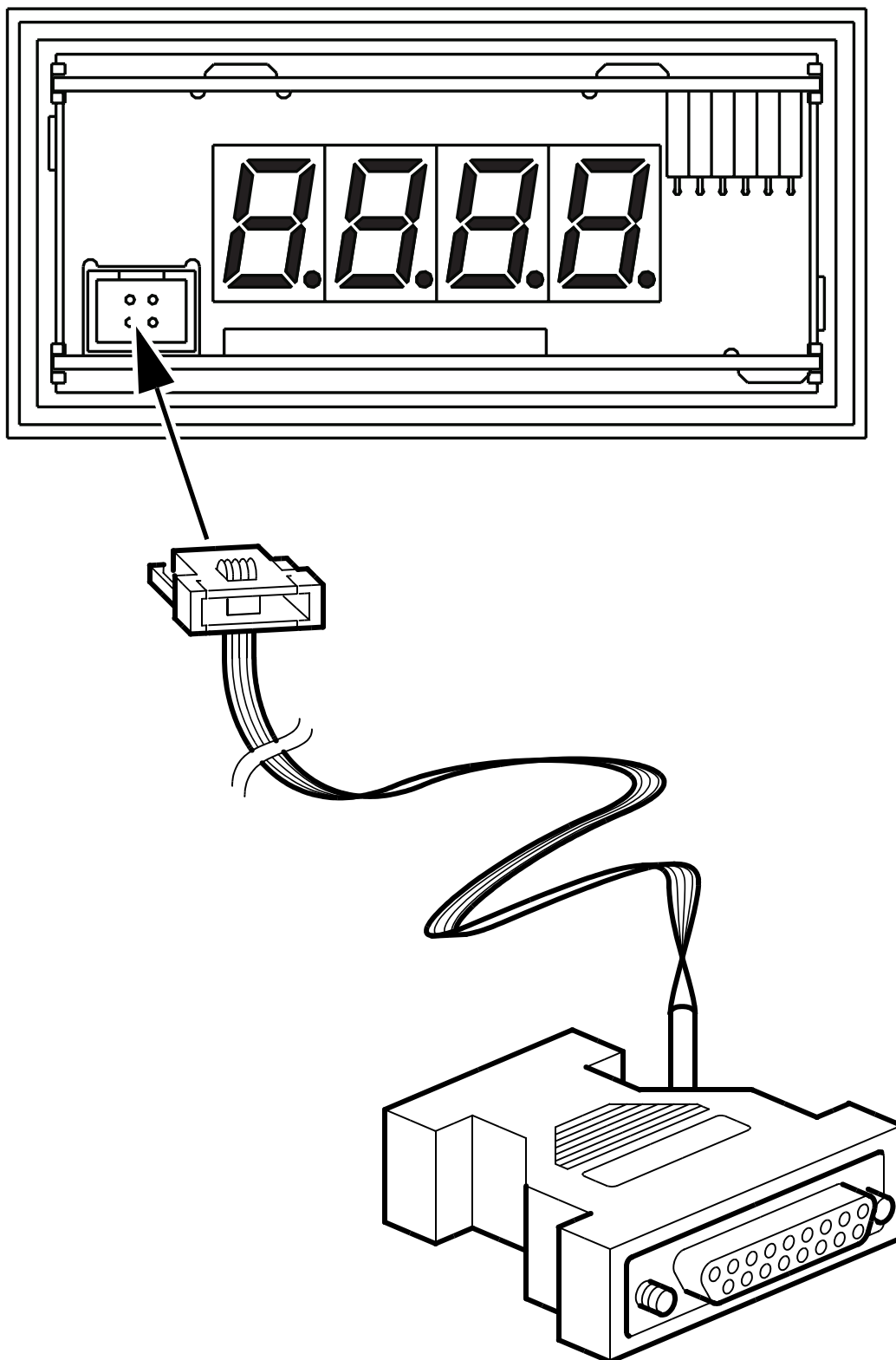
Connection for	Terminals		Symbol
Supply voltage as on label	L1 N TE	Line Neutral Technical earth	L+ L- L1(L+) N(L-) TE
Output			
Voltage supply	1+ 2-	24V/45mA Supply for 2-wire transmitter	1 2 + -
Measurement input			
Voltage	14+ 16-	$\leq 1V$	14 16 + - U_x
	17+ 16-	$\leq 10V$	17 16 + - U_x
Current	18+ 16-	$\leq 10mA$	18 16 + - I_x
	15+ 16-	$\leq 200mA$	15 16 + - I_x

2 Connection

Connection for	Terminals	Symbol
Thermocouples	14+ 16-	
Resistance thermometer	2-wire circuit: 13 Lead resistance $R_L \leq 30\Omega$ 16 R_L is entered in the setup program	
	3-wire circuit: 13 14 16	
	4-wire circuit: 13 14 15 16	
Resistance transmitter	13 A = start 14 S = slider 16 E = end	
Potentiometer	2-wire circuit 13 Lead resistance $R_L \leq 30\Omega$ 16 R_L is entered in the setup program	
	3-wire circuit 13 14 16	
	4-wire circuit 13 14 15 16	

3 PC interface for setup

- * Lever off the front cover carefully, with the aid of a screwdriver





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