



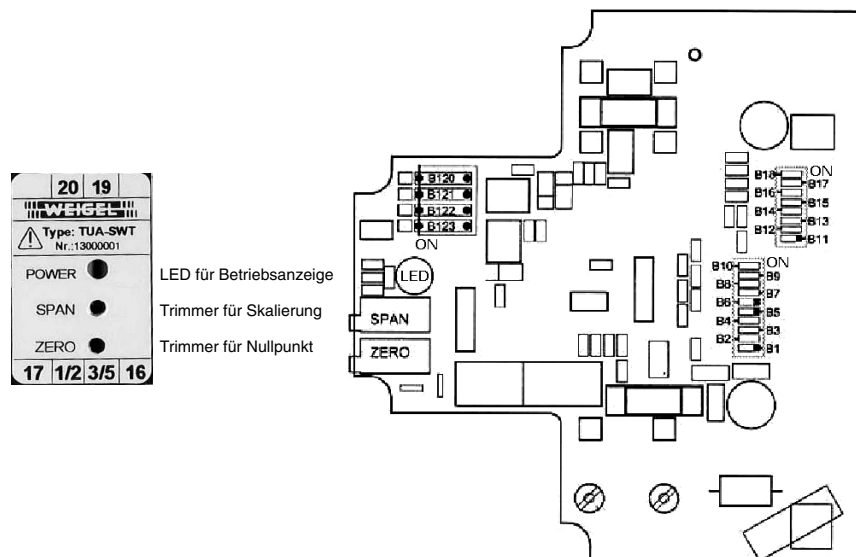
Trennverstärker für DC-Signale, umschaltbar

TUA –SWT Einstellungen

Achtung Vor dem Öffnen des Gehäuses und dem Ändern der DIP -Schalterpositionen, das Gerät abklemmen.

- Den rechten seitlichen Gehäusedeckel mit einem spitzen Schraubendreher öffnen.

Position der DIP -Schalter und Trimmer (geöffnetes Gehäuse)



DIP -Schalterpositionen für Ausgangsbereich

Ausgang	B120	B121	B122	B123
0 ... 20 mA	ON			
4 ... 20 mA		ON		
-20 ... 0 ... +20 mA				
0 ... 10 V	ON		ON	ON
2 ... 10 V		ON	ON	ON
-10 ... 0 ... +10 V			ON	ON

Feinabgleich

Achtung Vor dem unter Spannung setzen, auf korrekten Anschluss überprüfen.

- Eingang kurzschließen.
- Mit dem Trimmer "ZERO" auf Ausgang "0" abgleichen.
- Sollwert-Messgröße am Eingang anlegen.
- Mit dem Trimmer "SPAN" auf Sollwert-Ausgang abgleichen.
- Nullpunkt und Sollwert überprüfen
- Falls erforderlich, Vorgang wiederholen.

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DIP -Schalterpositionen für Eingangsbereich

Stromeingang	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
0 ... 0,1 mA	ON		ON				ON			ON	ON					
0 ... 0,2 mA	ON		ON					ON			ON					
0 ... 0,5 mA	ON		ON						ON	ON	ON					
0 ... 1 mA	ON		ON				ON				ON	ON				
0 ... 2 mA	ON		ON					ON				ON				
0 ... 5 mA	ON				ON	ON	ON	ON			ON	ON				
0 ... 10 mA	ON				ON	ON	ON				ON	ON				
0 ... 20 mA	ON				ON	ON						ON				
0,2 ... 1 mA	ON		ON					ON		ON	ON	ON				ON
1 ... 5 mA	ON		ON			ON	ON			ON		ON				ON
2 ... 10 mA	ON				ON	ON	ON			ON	ON	ON				ON
4 ... 20 mA	ON				ON	ON	ON	ON			ON	ON				ON
-0,1 ... 0 ... +0,1 mA	ON		ON					ON			ON		ON	ON		ON
-0,2 ... 0 ... +0,2 mA	ON		ON					ON		ON			ON	ON		ON
-0,5 ... 0 ... +0,5 mA	ON		ON					ON		ON	ON		ON	ON		ON
-1 ... 0 ... +1 mA	ON		ON					ON			ON		ON	ON		ON
-2 ... 0 ... +2 mA	ON		ON				ON			ON			ON	ON		ON
-5 ... 0 ... +5 mA	ON					ON				ON	ON		ON	ON		ON
-10 ... 0 ... +10 mA	ON						ON	ON			ON		ON	ON		ON
-20 ... 0 ... +20 mA	ON					ON	ON	ON					ON	ON		ON

Spannungseingang	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
0 ... 60 mV						ON				ON	ON	ON				
0 ... 100 mV							ON	ON		ON	ON					
0 ... 200 mV						ON		ON	ON		ON					
0 ... 500 mV						ON	ON	ON	ON							
0 ... 1 V		ON				ON	ON	ON		ON	ON					
0 ... 2 V		ON					ON	ON	ON		ON					
0 ... 5 V		ON						ON		ON						
0 ... 10 V	ON									ON	ON					
0 ... 20 V	ON					ON					ON					
0 ... 40 V	ON							ON								
0,2 ... 1 V		ON							ON	ON	ON	ON				ON
1 ... 5 V		ON				ON	ON	ON	ON		ON					ON
2 ... 10 V	ON					ON	ON			ON	ON					ON
4 ... 20 V	ON					ON	ON	ON			ON	ON				ON
-100 ... 0 ... +100 mV						ON		ON	ON		ON		ON	ON		ON
-200 ... 0 ... +200 mV						ON	ON		ON	ON			ON	ON		ON
-500 ... 0 ... +500 mV	ON						ON	ON	ON	ON	ON		ON	ON		ON
-1 ... 0 ... +1 V		ON					ON	ON	ON		ON		ON	ON		ON
-2 ... 0 ... +2 V		ON					ON	ON	ON		ON		ON	ON		ON
-5 ... 0 ... +5 V	ON									ON	ON		ON	ON		ON
-10 ... 0 ... +10 V	ON						ON				ON		ON	ON		ON
-20 ... 0 ... +20 V	ON							ON					ON	ON		ON

B17 und B18 ohne Funktion

– Technische Änderungen vorbehalten; Stand 02/15 –





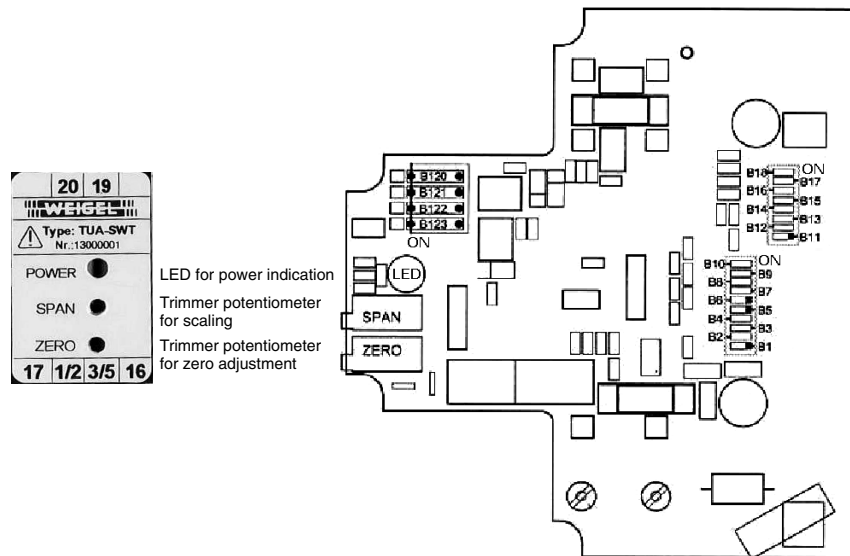
Isolating Amplifier for DC Signals, Switchable

TUA-SWT Settings

Attention Disconnect the device before opening the case and changing the DIP switch positions.

- Open the right-hand case cover by using a pointed screwdriver.

Position of the DIP switches and trimmers (case opened)



DIP switch positions for output range

Output	B120	B121	B122	B123
0 ... 20 mA	ON			
4 ... 20 mA		ON		
-20 ... 0 ... +20 mA				
0 ... 10 V	ON		ON	ON
2 ... 10 V		ON	ON	ON
-10 ... 0 ... +10 V			ON	ON

Fine adjustment

Attention Check correct connection before power-on.

- Short-cut the input.
- Adjust output to “0” using the “ZERO” trimmer potentiometer.
- Apply rated measuring unit to input.
- Adjust output to rated output value using the “SPAN” trimmer potentiometer.
- Check zero and rated value.
- Repeat the procedure, if necessary.

DIP switch positions for input range

Current input	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
0 ... 0.1 mA	ON		ON				ON			ON	ON					
0 ... 0.2 mA	ON		ON					ON			ON					
0 ... 0.5 mA	ON		ON						ON	ON	ON					
0 ... 1 mA	ON		ON				ON			ON	ON					
0 ... 2 mA	ON		ON					ON			ON					
0 ... 5 mA	ON				ON	ON	ON	ON		ON	ON					
0 ... 10 mA	ON				ON	ON	ON			ON	ON					
0 ... 20 mA	ON				ON	ON					ON					
0.2 ... 1 mA	ON		ON					ON		ON	ON	ON			ON	
1 ... 5 mA	ON		ON			ON			ON		ON	ON			ON	
2 ... 10 mA	ON				ON	ON	ON			ON	ON	ON				
4 ... 20 mA	ON				ON	ON	ON	ON			ON	ON				ON
-0.1 ... 0 ... +0.1 mA	ON		ON					ON			ON		ON	ON		ON
-0.2 ... 0 ... +0.2 mA	ON		ON					ON		ON			ON	ON		ON
-0.5 ... 0 ... +0.5 mA	ON		ON					ON		ON			ON	ON		ON
-1 ... 0 ... +1 mA	ON		ON					ON			ON		ON	ON		ON
-2 ... 0 ... +2 mA	ON		ON			ON			ON				ON	ON		ON
-5 ... 0 ... +5 mA	ON				ON					ON		ON	ON	ON		ON
-10 ... 0 ... +10 mA	ON					ON	ON				ON	ON	ON	ON		ON
-20 ... 0 ... +20 mA	ON				ON	ON	ON						ON	ON		ON

Voltage input	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
0 ... 60 mV						ON			ON	ON	ON					
0 ... 100 mV							ON	ON		ON	ON					
0 ... 200 mV						ON		ON	ON		ON					
0 ... 500 mV						ON	ON	ON	ON							
0 ... 1 V		ON				ON	ON	ON		ON	ON					
0 ... 2 V		ON					ON	ON	ON		ON					
0 ... 5 V		ON						ON		ON						
0 ... 10 V		ON								ON	ON					
0 ... 20 V		ON				ON					ON					
0 ... 40 V		ON						ON								
0.2 ... 1 V		ON							ON	ON	ON	ON			ON	
1 ... 5 V		ON				ON		ON	ON	ON		ON			ON	
2 ... 10 V		ON				ON	ON			ON	ON					
4 ... 20 V		ON				ON	ON	ON			ON	ON				ON
-100 ... 0 ... +100 mV						ON		ON	ON		ON		ON	ON		ON
-200 ... 0 ... +200 mV						ON	ON		ON	ON			ON	ON		ON
-500 ... 0 ... +500 mV		ON					ON	ON	ON	ON		ON	ON	ON		ON
-1 ... 0 ... +1 V		ON					ON	ON	ON		ON		ON	ON		ON
-2 ... 0 ... +2 V		ON				ON		ON	ON	ON			ON	ON		ON
-5 ... 0 ... +5 V		ON								ON	ON		ON	ON		ON
-10 ... 0 ... +10 V		ON				ON					ON		ON	ON		ON
-20 ... 0 ... +20 V		ON						ON					ON	ON		ON

B17 and B18 no function

– Specifications subject to change without notice; date of issue 02/15 –

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