Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF1 ch.1

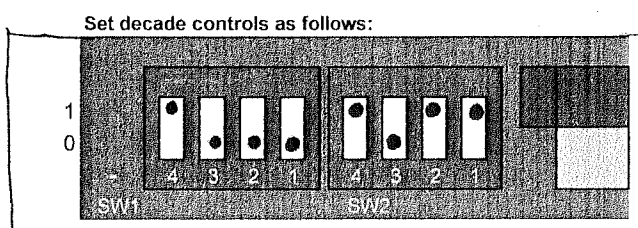
Insert probe specific parameters etc.

Sensor resistance, R_{20}	5.76 Ω
Sensor lead resist., RL	0.50 Ω
Support resistance, Rs	0.00 Ω
Cable resistance, Rc	0.59 Ω
Sensor TCR, α_{20}	0.45% /K
Desired wire temp., Tw	245 °C
Temperature of flow	20 °C

Calculating wire operating resistance etc.

Over temperature, ΔT	225 °C
Operating resist., Rw	11.59 Ω
Total resistance, R_T	12.68 Ω
Overheat ratio, a	1.01
Bridge ratio, M	1:20
Decade resistance, R_D	253.6 Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF2 ch.1

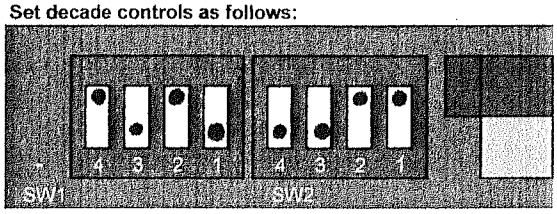
Insert probe specific parameters etc.

Sensor resistance, R_{20}	6.38 Ω
Sensor lead resist., RL	0.50 Ω
Support resistance, Rs	0.00 Ω
Cable resistance, Rc	0.59 Ω
Sensor TCR, α_{20}	0.46% /K
Desired wire temp., Tw	245 °C
Temperature of flow	20 °C

Calculating wire operating resistance etc.

Over temperature, ΔT	225 °C
Operating resist., Rw	12.98 Ω
Total resistance, R_T	14.07 Ω
Overheat ratio, a	1.04
Bridge ratio, M	1:20
Decade resistance, R_D	281.5 Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF3 ch.1

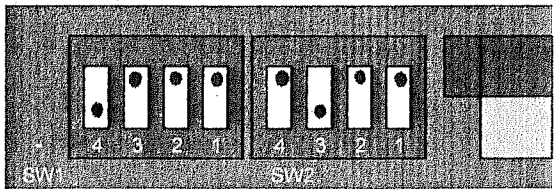
Insert probe specific parameters etc.

Sensor resistance, R_{20}	5.32	Ω
Sensor lead resist., RL	0.50	Ω
Support resistance, Rs	0.00	Ω
Cable resistance, Rc	0.59	Ω
Sensor TCR, α_{20}	0.45%	/K
Desired wire temp., Tw	245	°C
Temperature of flow	20	°C

Calculating wire operating resistance etc.

Over temperature, ΔT	225	°C
Operating resist., Rw	10.71	Ω
Total resistance, R_T	11.80	Ω
Overheat ratio, a	1.01	
Bridge ratio, M	1:20	
Decade resistance, R_D	235.9	Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF4 ch.1

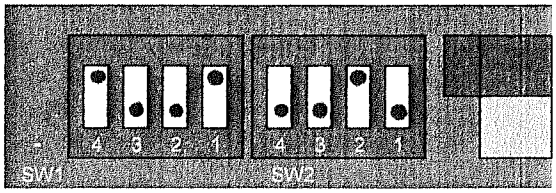
Insert probe specific parameters etc.

Sensor resistance, R_{20}	5.84 Ω
Sensor lead resist., RL	0.50 Ω
Support resistance, Rs	0.00 Ω
Cable resistance, Rc	0.59 Ω
Sensor TCR, α_{20}	0.46% /K
Desired wire temp., Tw	245 °C
Temperature of flow	20 °C

Calculating wire operating resistance etc.

Over temperature, ΔT	225 °C
Operating resist., Rw	11.88 Ω
Total resistance, R_T	12.97 Ω
Overheat ratio, a	1.04
Bridge ratio, M	1:20
Decade resistance, R_D	259.5 Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF5 ch.1

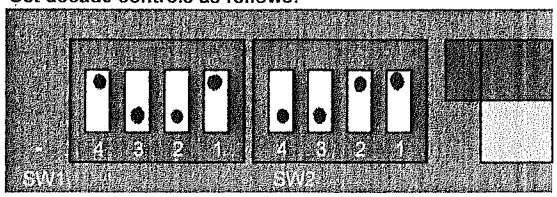
Insert probe specific parameters etc.

Sensor resistance, R_{20}	5.99	Ω
Sensor lead resist., RL	0.50	Ω
Support resistance, Rs	0.00	Ω
Cable resistance, Rc	0.59	Ω
Sensor TCR, α_{20}	0.45%	/K
Desired wire temp., Tw	245	°C
Temperature of flow	20	°C

Calculating wire operating resistance etc.

Over temperature, ΔT	225	°C
Operating resist., Rw	12.05	Ω
Total resistance, R_T	13.14	Ω
Overheat ratio, a	1.01	
Bridge ratio, M	1:20	
Decade resistance, R_D	262.9	Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. **9054S4011**

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF6 ch.1

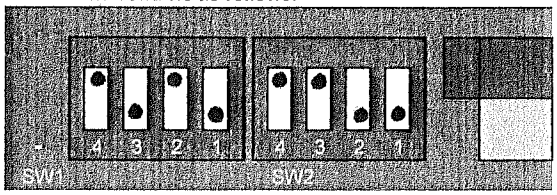
Insert probe specific parameters etc.

Sensor resistance, R_{20}	6.95 Ω
Sensor lead resist., RL	0.50 Ω
Support resistance, Rs	0.00 Ω
Cable resistance, Rc	0.59 Ω
Sensor TCR, α_{20}	0.43% /K
Desired wire temp., Tw	245 °C
Temperature of flow	20 °C

Calculating wire operating resistance etc.

Over temperature, ΔT	225 °C
Operating resist., Rw	13.67 Ω
Total resistance, R_T	14.76 Ω
Overheat ratio, a	0.97
Bridge ratio, M	1:20
Decade resistance, R_D	295.3 Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF7 ch.1

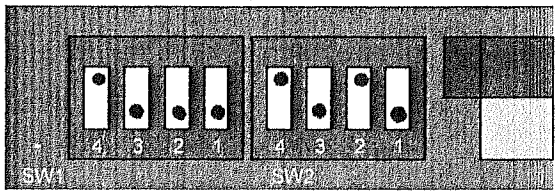
Insert probe specific parameters etc.

Sensor resistance, R_{20}	5.91	Ω
Sensor lead resist., RL	0.50	Ω
Support resistance, Rs	0.00	Ω
Cable resistance, Rc	0.59	Ω
Sensor TCR, α_{20}	0.42%	/K
Desired wire temp., Tw	245	°C
Temperature of flow	20	°C

Calculating wire operating resistance etc.

Over temperature, ΔT	225	°C
Operating resist., Rw	11.49	Ω
Total resistance, R_T	12.58	Ω
Overheat ratio, a	0.95	
Bridge ratio, M	1:20	
Decade resistance, R_D	251.7	Ω

Set decade controls as follows:



Mini-CTA 54T30: Selecting and adjusting overheat. 9054S4011

Org. 980528/TSV
Rev. 000607/TSV

CTA identification SF8 ch.1

Insert probe specific parameters etc.

Sensor resistance, R_{20}	5.49	Ω
Sensor lead resist., RL	0.50	Ω
Support resistance, Rs	0.00	Ω
Cable resistance, Rc	0.59	Ω
Sensor TCR, α_{20}	0.43%	/K
Desired wire temp., Tw	245	°C
Temperature of flow	20	°C

Calculating wire operating resistance etc.

Over temperature, ΔT	225	°C
Operating resist., Rw	10.80	Ω
Total resistance, R_T	11.89	Ω
Overheat ratio, a	0.97	
Bridge ratio, M	1:20	
Decade resistance, R_D	237.8	Ω

Set decade controls as follows: