

931B, 932B



rev A



: 931B- 900, Rev. A

2018 1



FAR 12.212(),
DFARS 252.227-7015(-)
DFARS 227-7202-3()

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TEGAM, Inc. ()

TEGAMCloud™ Thermometer Link™ TEGAM,
Inc. Bluetooth® , ,
Bluetooth SIG, Inc. ,
TEGAM, Inc.
Android™ Google Play™ Google
Inc. Apple, iPhone, iPad, iTunes
Apple Inc.



FCC : Panasonic
ENW89846A1KF, FCC ID: J7V1740

911B-900
A, 2018 1

TEGAM, Inc.
10 TEGAM Way
Geneva, OH 44041



(AS IS)

TEGAMTEGAM

tegam.com

TEGAM

, FAR 12.211()

| | | |
|------|---|-------|
| 1. | ..... | 1- 1 |
| 1.1 | ..... | 1- 1 |
| 1.2 | () | 1- 3 |
| 1.3 | TEGAM | 1- 3 |
| 2. | ..... | 2- 1 |
| 2.1 | ..... | 2- 1 |
| 2.2 | ..... | 2- 1 |
| 2.3 | ..... | 2- 3 |
| 2.4 | ..... | 2- 5 |
| 2.5 | ..... | 2- 5 |
| 2.6 | ..... | 2- 6 |
| 2.7 | ..... | 2- 7 |
| 3. | ..... | 3- 1 |
| 3.1 | ..... | 3- 1 |
| 3.2 | LCD | 3- 2 |
| 3.3 | ..... | 3- 3 |
| 3.4 | ..... | 3- 5 |
| 3.5 | ..... | 3- 6 |
| 3.6 | ..... | 3- 7 |
| 3.7 | ..... | 3- 7 |
| 3.8 | ..... | 3- 7 |
| 3.9 | ..... | 3- 7 |
| 3.10 | ..... | 3- 8 |
| 3.11 | Open Wire Detection() / | 3- 9 |
| 3.12 | ..... | 3- 10 |
| 3.13 | ..... | 3- 10 |
| 3.14 | ..... | 3- 10 |
| 3.15 | ..... | 3- 10 |
| 3.16 | Measurement Acquisition Interval() | 3- 11 |
| 3.17 | ..... | 3- 12 |
| 3.18 | ..... | 3- 12 |
| 3.19 | ..... | 3- 12 |
| 3.20 | ..... | 3- 13 |
| 3.21 | ..... | 3- 13 |

| | |
|---------------|-------|
| 3.22 Key Lock | 3- 13 |
| 4. | 4- 1 |
| 4.1 | 4- 1 |
| 4.2 | 4- 1 |
| 4.3 | 4- 6 |
| 4.4 | 4- 7 |
| 4.5 | 4- 7 |
| 4.6 | 4- 8 |
| 4.7 | 4- 9 |
| 4.8 | 4- 10 |
| 4.9 | 4- 10 |
| 4.10 | 4- 10 |
| A. | i |
| B. | i |
| C. | i |

1.

1.1

| | | | |
|------------|--|-----------------|------------|
| | $\pm(0.04\% rdg + 0.3 \text{ } ^\circ\text{C})^1$ | | |
| | ITS-90 | | |
| | °C | °F | K |
| K | -200 ~ 1372 | -328 ~ 2502 | 73 ~ 1645 |
| J | -210 ~ 1200 | -346 ~ 2192 | 63 ~ 1473 |
| T | -250 ~ 400 | -418 ~ 752 | 23 ~ 673 |
| E | -250 ~ 1000 | -418 ~ 1832 | 23 ~ 1273 |
| B | 600 ~ 1820 | 1112 ~ 3308 | 873 ~ 2093 |
| N | -200 ~ 1300 | -328 ~ 2372 | 73 ~ 1573 |
| R | 0 ~ 1760 | 32 ~ 3200 | 273 ~ 2033 |
| S | 0 ~ 1760 | 32 ~ 3200 | 273 ~ 2033 |
| | 1 Mini-TC(931B) | 2 Mini-TC(932B) | |
| (0) | 0.1 °C/°F/K | | |
| | 4 LCD(, , , , , , , , , , ,) | | |
| | 4 LED (30) | | |
| | 0.1° < 1000 ° | 1 ° ≥ 1000 ° | |
| | 3 / () | | |
| | 3 AA(IEC LR6, ANSI 15) | | |
| | 1000 | | |
| | 4 | | |
| | T1-T2(932B) | | |
| | 12 () | | |
| | : | | |
| | - | - | - |
| | - | - | - |
| | - | - | - |

| | | |
|--------------------|---|----------------------|
| | ± 50 nA | |
| | 42 V | 1 V p- p(T1 T2) |
| | CE(2014/30/EU) / RoHS2(2011/65/EU) | |
| ESD | IEC 61000- 4 2:2009, B | |
| EMC | EN 55022:2010+ A1:2015, A; EN 61000- 4 3:2006+ A2:2010, 10 V/m(80 MHz ~ 1 GHz) | MIL- PRF- 28800F, 2 |
| | <i>Bluetooth</i> / 4.0 | |
| | 10m | 30ft |
| FCC ID | J7V1740 | |
| | 1000 | |
| | Android™ Apple | |
| | Thermometer Link™ | TEGAM Cloud™ |
| Android | <i>Bluetooth</i> / 4.0 | Android 4.3 |
| Apple | iPhone 4S | iOS 5.0 |
| | iPad 3 | iOS 5.1 |
| TEGAM Cloud | PC Mac OS | |
| | | 1 |
| | | 5 |
| : | | |
| | MIL- PRF- 28800F, 2 | UL 60079- 0 § 26.4.2 |
| | - 20 ~ 55°C | - 4 ~ 131°F |
| | . B , | |
| | . B | |
| | <10°C (50°F): 10 ~ 30°C (50 ~ 86°F): 5 ~ 95% RH 30 ~ 40 °C (86 ~ 104 °F): 5 ~ 85% RH 40 ~ 55 °C (104 ~ 131 °F): 5 ~ 60% RH | |

| | | |
|-----|--------------------------------------|--------------------------|
| | 0 ~ 4600m | 0 ~ 15,092ft |
| | 10 ~ 500 Hz, 0.03 g ² /Hz | |
| | 30g | |
| | 1m | 4 |
| | - 40 ~ 71 °C | - 40 ~ 159 °F |
| : | | |
| | 193 x 84 x 28mm | 7.6 x 3.3 x 1.1in |
| () | 931B: 301.2g (10.6 oz.) | 932B: 303.6 g (10.7 oz.) |
| 1 | B | . |

1.2 ()

| | | |
|--|-----------|--|
| | | |
| | 911- 910 | / / |
| | 911- 912 | / / |
| | 911- 911 | |
| | SDK- 93X | 931B 932B |
| | | TEGAM (tegam.com) |
| | 931B- 900 | |
| | | , (tegam.com) , , , , |
| | | |

1.3 TEGAM

| | | |
|--|------|---|
| | 911B | , |
| | 912B | , |
| | 931B | , |
| | 932B | , |

2.

2.1

TEGAM 931B 932B Data Thermometer

TEGAM Cloud™

E, J, K, N, R, S, T. NIST : B,

2.2

- TEGAM
- Android™ Apple Thermometer Link™ 2
- Bluetooth®
- 1000
- 1000
- 4 LCD(LED)
- 8 NIST : B, E, J, K, N, R, S, T
- MIN, MAX, AVG, RNG, STDEV, T1-T2²
-
-
- 0.1° / 1°
- °F, °C, K
- HOLD()
- ITS-90
- : MIL-PRF-28800F, 2
- / /
-
-
-
-
-
-
- Windows 10, iOS and

¹ Bluetooth

² T1-T2 932B

Android™



2.3



42V()

922A

TEGAM 921A

(ESD)



() 1V

AA(IEC LR6, ANSI 15)



2.4

TEGAM

TEGAM

TEGAM

- 1
- 1
-
- AA, 1.5V 3
- ()

2.5

3 AA 1.5 V

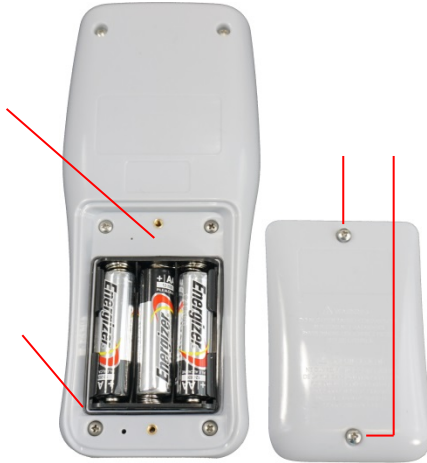


: Phillips

1. (1)
2. 2
- 3.
- 4.
5. 3 AA (IEC LR6, ANSI 15)

6. , 2

7. , 30 .



1:

2.6

TEGAM 900 Series

1. *2.5, Battery Installation and Replacement*

2. Channel 1(1) / Channel 1(2)



3. 4

4. :

a. **SET** Set up Menu() , 1.5

b. (B, E, J, K, N, R, S, T)  

c. **SET** ()



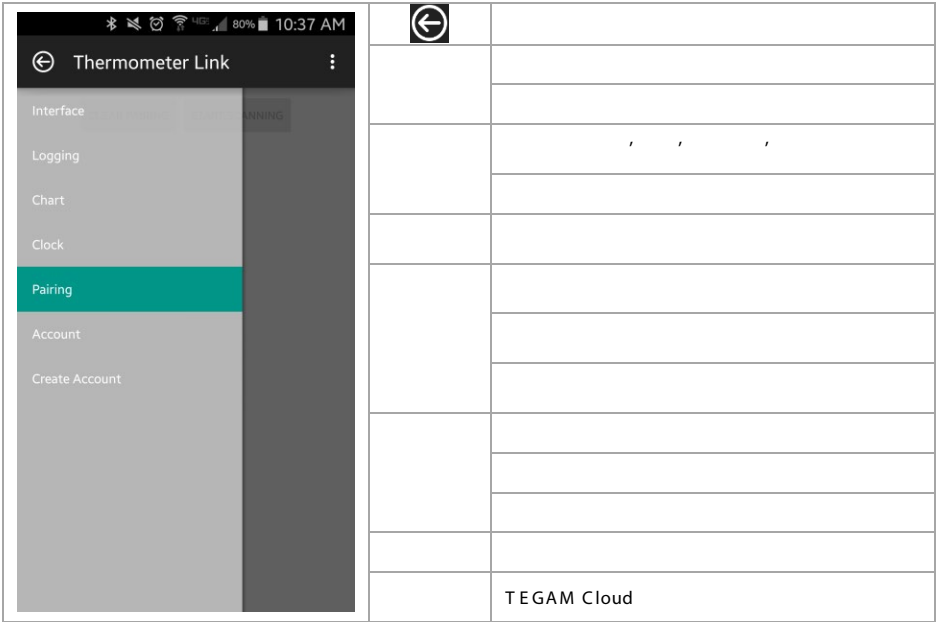
- d. ⬆️⬇️
(°C, °F, K)
- e. SET
- f. Channel 1 (1) ⬆️⬇️
Channel 1
3.10, Probe Offset
- g. SET Channel 2 ()
- h. Channel 2 (f)
- i. VIEW

2.7

TEGAM Thermometer Link TEGAM Bluetooth
 / 4.0 Thermometer Link
 30ft (9.14m) Thermometer Link 2

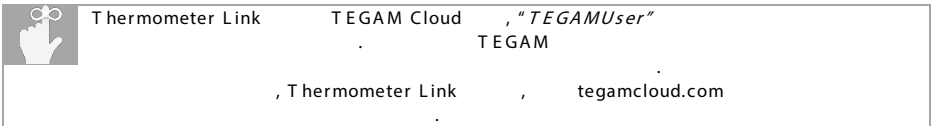
Thermometer Link
 TEGAMCloud™ (tegamcloud.com) TEGAM Cloud


Thermometer Link TEGAM Cloud TEGAM TEGAM



2: Thermometer Link

TEGAM Thermometer Link :



1. Bluetooth / 4.0
2. Google Play™³ iTunes "TEGAM" Thermometer Link
- 3.
4. Bluetooth
5.  Bluetooth

³ 360 Mobile Assistant, Baidu, Tencent TEGAM Thermometer Link



6. Thermometer Link



7.

MAC ()



8.



9. Thermometer Link



(10)



TEGAM Cloud

1. tegamcloud.com

2. Login()

3. Login()

"TEGAMUser"



4. View Data()

5. Select Device()

6. Create Chart()

!

TEGAM

3.

3.1

12

3

| | | |
|--|--|----------------------|
| | | <p>Key Lock()</p> |
| | | |
| | | <p>Setup Menu()</p> |
| | | <p>Setup Menu()</p> |
| | | <p>/</p> |
| | | <p>30</p> |
| | | |
| | | |
| | <p>Setup Menu() ,</p> | |
| | <p>Setup Menu() , Setup Menu() , Date() , Real- Time Clock() , Measurement Acquisition Interval()</p> | |
| | | |
| | | |
| | | |

| | |
|--|--------------------|
| | <i>Bluetooth</i> |
| | Setup Menu() , |
| | Calibration() 1.5 |

3:



3.2 LCD

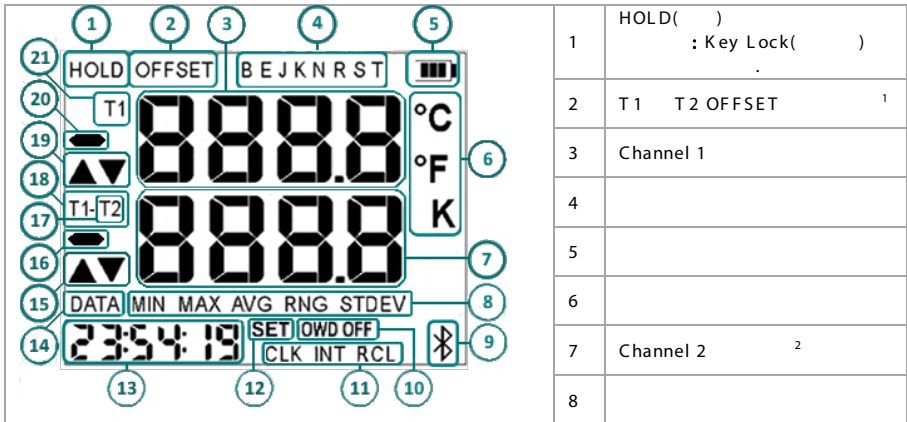
LCD Channel 1 Channel 2, LED

, Channel 1 Channel 2

Channel 1 Channel 2,

Statistics View() Channel 2

4



| | |
|---|-----------------------|
| 1 | HOLD() : Key Lock() |
| 2 | T1 T2 OFFSET 1 |
| 3 | Channel 1 |
| 4 | |
| 5 | |
| 6 | |
| 7 | Channel 2 2 |
| 8 | |

| | |
|---|---------------------------------------|
| 9 | : <i>Bluetooth</i> : <i>Bluetooth</i> |
|---|---------------------------------------|

4

...

| | |
|----|-------------------------------------|
| 10 | Open Wire Detection() On()/Off() |
|----|-------------------------------------|

| | |
|----|------------------------|
| 11 | |
| 12 | |
| 13 | |
| | |
| 14 | |
| 15 | Channel 2 ² |
| 16 | Channel 2 |
| 17 | Channel 2 ² |
| 18 | T 1 - T 2 ² |
| 19 | Channel 1 |
| 20 | Channel 1 |
| 21 | Channel 1 |

¹ T2 932B

² Model 932B

4: LCD

LCD 5

| | |
|--------|---|
| | |
| OPEn | |
| - Or - | : |
| - Ur - | : |

5: LCD

3.3

| | | | |
|--|--------|----------------|-----|
| | (1.5) | (: SET (1.5s) | 1.5 |
|--|--------|----------------|-----|

Setup Menu
SET

Setup Menu()

SET (1.5s)

Setup Menu



Setup Menu

SET (1.5s)

CLK

CLK

SET

VIEW

Setup

Menu

CLR

Setup Menu

. 10

Setup Menu

6: Setup Menu Parameters and Values

1. **SET (1.5s)** Setup Menu
2. **SET**
6: Setup Menu Parameters and Values
- 3.
4. Date(), Real-Time Clock(), Measurement Acquisition Interval()

| | |
|-------------------------------------|--------------------------------|
| Thermocouple Type() | E, J, K, T, B, R, N, S |
| Temperature Units() | °C, °F, K |
| T 1 Probe Offset(T 1) | ± 0.1° |
| T 2 Probe Offset(T 1) ⁴ | |
| Date() | 01 01 16 (mm dd yy /) |
| | ²⁴ (hh mm ss /) |
| Measurement Acquisition Interval() | 1 (hh mm ss /) |
| Open Wire Detection() | ON(), OFF() |

6: Setup Menu

5.

SET (1.5s)

6.

Setup Menu

VIEW

⁴ T2

932B

7.

Setup Menu



TEGAM Thermometer Link
(2-8 2).

Setup Menu , CLK

10 , Setup Menu .

3.4

7

| | | |
|-------|--------------------------------------|-----------------------|
| T1-T2 | T1-T2 | Channel 1 - Channel 2 |
| | MIN | |
| | MAX | |
| | AVG | |
| | RNG | - |
| | STDEV | 1. |
| 1 | : = $\sqrt{\frac{\sum(x-\mu)^2}{n}}$ | |

7:



2

T1-T2

Channel 1

Channel 2

T1-T2

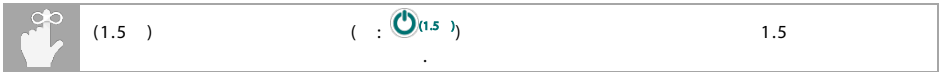
, T1-T2



| 931B | T 1 | MIN | MAX | AVG | RNG | ST DEV |
|------|-----|-----|-----|-----|-----|--------|
| 932B | T 1 | MIN | MAX | AVG | RNG | ST DEV |
| | T 2 | MIN | MAX | AVG | RNG | ST DEV |
| 8: | | | | | | |



3.5





3.6

LED



30



TEGAM Thermometer Link

3.7



HOLD() LCD

3.8



3.9



| | |
|---|------------|
| | |
| 3 | 100% - 50% |

| | |
|---|-----------|
| 2 | 50% - 20% |
| 1 | 20% - 5% |
| 0 | 0% - |

3 9
0 **bATT**

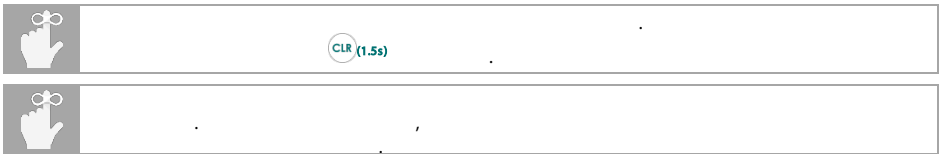
9:

Replacement

2.5, Battery Installation and

3.10

Channel 1 2



1. Channel 1 Channel 2()

2. 5

3.

4. Setup Menu
5. 3 Channel 1 Offset



6. Channel 1 ,

7. 0.1°

8. Channel 2 (932B)
Setup Menu

a. Setup Menu

9. **OFFSET**() LCD

1. Setup Menu

2. 3 Channel 1 Offset

3.

4. 0.1°

5. Channel 2 (932B)
Setup Menu

a. Setup Menu

6. **OFFSET**() LCD

3.11 Open Wire Detection() /

Open Wire Detection()

Open Wire Detection()
. Open Wire Detection()



Open Wire Detection :

1. Setup Menu

2. 931B (4) , 932B (7) Open Wire Detection

a. "OWD OFF" LCD Open Wire Detection
Line 2

3. Open Wire Detection



- a. ON Open Wire Detection
- b. OFF Open Wire Detection

4. Setup Menu

a. Open Wire Detection Setup Menu

5. Open Wire Detection "OWD OFF"

3.12

LCD
CLr

| | | | |
|--|-------|------------------|-------|
| | | Thermometer Link | TEGAM |
| | Cloud | | |

Setup Menu Setup Menu

3.13

(hh:mm:ss(: :)) 24
3.3 Setup Menu

CLK

3.14

TEGAM

TEGAM Cloud , TEGAM Thermometer Link

Cloud , , , TEGAM

TEGAM Cloud

3.15

3



1000

TEGAM Cloud
Thermometer Link

TEGAM Thermometer Link

Thermometer Link

TEGAM Cloud

10

| | |
|---|-------------|
| | |
| | 1000 |
| | |
| + Thermometer Link | |
| | |
| | |
| | |
| + Thermometer Link + TEGAM Cloud | TEGAM Cloud |
| | TEGAM Cloud |
| | TEGAM Cloud |

10:

3.16 Measurement Acquisition Interval()

1 Thermometer Link

5

3.3Setup

Menu

3.17

1000
1000

Thermometer Link

3.18



Thermometer Link

| | |
|--|--|
| | <p>TEGAM Cloud</p> <p>Thermometer Link</p> |
|--|--|

| | |
|--|--|
| | |
|--|--|

3.19



DATA

Thermometer Link

| | |
|--|---|
| | <p>Thermometer Link</p> <p>Thermometer Link</p> <p>TEGAM</p> <p>Cloud</p> |
|--|---|

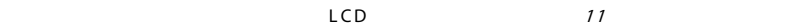
| | |
|--|--|
| | |
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| | |
|--|--|
| | |
|--|--|

3.20



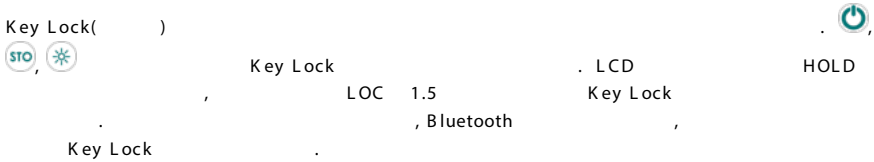
3.21



| | |
|--------|--|
| | |
| - Or - | |
| - Ur - | |
| OPEn | |
| ----- | |

11:

3.22 Key Lock



4.

4.1

4.2

4.2.1

1. $23 \pm 1^{\circ}\text{C}$ 5% ~ 95% RH
 2. ("UUT") 4
 3. A B UUT
 4. C
 5. Thermocouple Cable(), Thermocouple Calibrator()
 6. 2 UUT
 7. UUT 12 UUT
- 3.3, Setup Menu*


| | |
|--------------------------|---|
| Thermocouple Type() | |
| Temperature Units() | $^{\circ}\text{C}$ |
| Ch. 1 | 0.0°C |
| Ch. 2(932B) | 0.0°C |
| Open Wire Detection() / | (<i>3.11, Open Wire Detection On/Off</i>) |

12: UUT

8. UUT Channel 1
 - a. 2 UUT UUT Channel 1 Channel 2 UUT

9. Thermocouple Calibrator()
10. Thermocouple Calibrator()
11. 5
12. C Standard Value()
13. Standard Value UUT C
14. C Cable Correction()
15. Reading() Cable Correction() C
Corrected Reading() (Reading() - Cable Correction() =
Corrected Reading())
16. Corrected Reading() C 2- Sigma Tolerance(2)
UUT
17. C Standard Value() 12 ~ 16
18. 4 ~ 17
19. 4 above Open Wire Detection() Off() , 3.11,
Open Wire Detection On/Off

4.2.2

1. 23 ± 1°C 5% ~ 95% RH
2. ("UUT") 4
3. A B UUT
4. UUT
5. UUT  UUT
6. *Figure 13* UUT UUT

3.3, Setup Menu

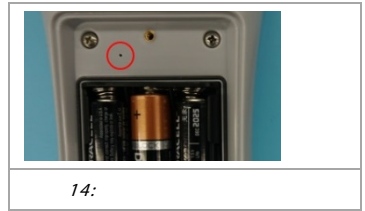
| | |
|----------------------|----------------|
| Thermocouple Type() | E ¹ |
|----------------------|----------------|

| | |
|---|--------|
| Temperature Units() | °C |
| Ch. 1 | 0.0 °C |
| Ch. 2(932B) | 0.0 °C |
| <p>1 Cold Junction Compensation() UUT J</p> <p>A E</p> | |

13: UUT

7.

Figure 14



14:

8. UUT :

- a. Line 1: CAL1
- b. Line 2: mV portion of Channel 1 voltage reading (Channel 1 mV)
- c. Line 3: nV portion of Channel 1 voltage reading (Channel 1 nV)

9. Mini-TC UUT Channel 1

- a. Mini-TC UUT Channel 1 2 UUT Channel 2

10. Mini-TC (Mini-TC)

11. 3

| | | |
|---------|-----|--------|
| 80mV DC | UUT | . 80mV |
|---------|-----|--------|

Figure 15

Applied Voltage()

13.

14. UUT

15. UUT

16. UUT  UUT Applied Voltage(), ±0.001mV



a. UUT Applied Voltage() $\pm 0.001\text{mV}$
 Applied Voltage UUT
 $\pm 0.001\text{mV}$

b. UUT
 UUT 8999 - 999
 CAL (1.5)
 1.5

17. UUT rES1 [2, 3 ...]

18. UUT CAL

19. *Figure 15* 12 ~ 18 UUT
 Channel 2

a. Mini-TC 2 UUT UUT
 Channel 1 *Figure 15* CAL4
 Channel 2 11

| | UUT | (mV) |
|---|------|------|
| 1 | CAL1 | - 10 |
| | CAL2 | 75 |
| | CAL3 | - 10 |
| | CAL4 | 30 |
| 2 | CAL5 | - 10 |
| | CAL6 | 75 |
| | CAL7 | - 10 |
| | CAL8 | 30 |

15:

20. UUT

Cold Junction Compensation()

21. E.⁶ UUT Channel 1



- a. UUT Channel 1, Channel 2, UUT
- 22. Thermocouple Calibrator()
- 23. UUT :
 - a. Line 1: CALA
 - b. Line 2: temperature in °C (°C)
 - c. Line 3: temperature in tenths of °C (°C 1/10 , 1μ 0.000001°C)
- 24. Thermocouple Calibrator() E.7
- 25. 0.0°C
- 26. 5
- 27. UUT ± 0.02°C UUT
- 28. UUT
- 29. rESA
- 30. UUT 36
- 31. 2 UUTs , 32
 - a. Channel 1, Channel 2, UUT, UUT 26
- 32. UUT
- 33. UUT :
 - a. Line 1: CALb
 - b. Line 2: temperature in °C (°C)
 - c. Line 3: temperature in tenths of °C (°C 1/10 , 1μ 0.000001°C)
- 34. 27 28





35. rESb

36. UUT  UUT

4.3

TEGAM

16

| | | |
|--------|-------------------------|---|
| | | |
| Line 2 | Statistics View Mode() |  (3.4 View Modes and Statistics) |
| | | 3.10, Probe Offset () |
| | | Trend Indicators (3.8) |
| | | Menu (3.3, Setup) |
| | Open Wire Detection() | 3.11, Open Wire Detection On/Off |
| | Hold Mode() |  , HOLD (3.7, Hold Function) |
| | Key Lock() |  |
| | |  |

16

| | | |
|--|--|---|
| | | (2.5, Battery Installation and Replacement) |
| | | Bluetooth / 4.0 |



| | | |
|--|------------------------------|------------------|
| | | <i>Bluetooth</i> |
| | | <i>Bluetooth</i> |
| | Thermometer Link TEGAM Cloud | |
| | | Thermometer Link |

16:

4.4

LCD

. LCD

17

| | |
|----------|--|
| | |
| Err ADC | |
| Err CJC | |
| Err FLSH | |
| Err InP | |

17:

4.5



3.12,

3.3, Setup Menu



4.6

TEGAM RMA(Returned Material Authorization;) TEGAM
(www.tegam.com) , 440- 466- 6100() 800- 666- 1010 (TEGAM
RMA , RMA



4.7

| | | | |
|-------|--|---|--|
| RMA : | | : | |
| : | | : | |
| : | | : | |
| : | | | |

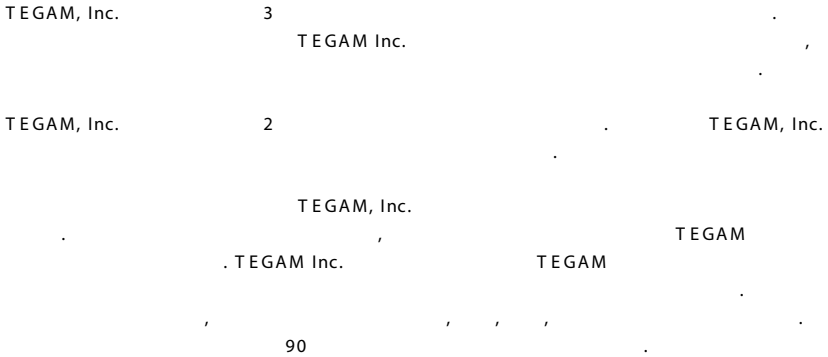
- :
- ISO 17025

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| |



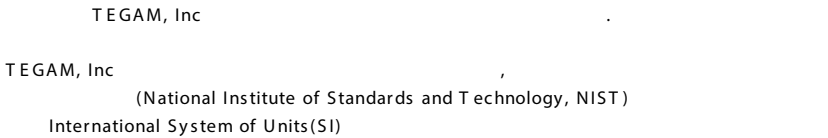
4.8



4.9



4.10



A.

| | | | (2- SIGMA) |
|--|------------------------|---|--|
| | | - 10 ~ 75mV | ± (30ppm + 2µV) |
| | Thermocouple Type B | 600 ~ 799 °C 800 ~ 1549 °C 1550 ~ 1820 °C | ± 0.36 °C ± 0.29 °C ± 0.23 °C |
| | Thermocouple Type E | - 250 ~ - 201 °C - 200 ~ - 101 °C - 100 ~ - 1 °C 0 ~ 599 °C 600 ~ 1000 °C | ± 0.26 °C ± 0.13 °C ± 0.11 °C ± 0.10 °C ± 0.12 °C |
| | Thermocouple Type J | - 210 ~ - 101 °C - 100 ~ 799 °C 800 ~ 1200 °C | ± 0.15 °C ± 0.11 °C ± 0.12 °C |
| | Thermocouple Type K | - 200 ~ - 101 °C - 100 ~ 799 °C 800 ~ 1372 °C | ± 0.17 °C ± 0.12 °C ± 0.14 °C |
| | Thermocouple Type N | - 250 ~ - 201 °C - 200 ~ - 101 °C - 100 ~ - 1 °C 0 ~ 799 °C 800 ~ 1300 °C | ± 0.73 °C ± 0.24 °C ± 0.13 °C ± 0.12 °C ± 0.13 °C |
| | Thermocouple Type R | - 50 ~ - 26 °C - 25 ~ - 1 °C 0 ~ 99 °C 100 ~ 399 °C 400 ~ 599 °C 600 ~ 999 °C 1000 ~ 1599 °C 1600 °C | ± 0.55 °C ± 0.45 °C ± 0.39 °C ± 0.29 °C ± 0.23 °C ± 0.22 °C ± 0.20 °C ± 0.24 °C |
| | Thermocouple Type S | - 50 ~ - 26 °C - 25 ~ - 1 °C 0 ~ 99 °C 100 ~ 399 °C 400 ~ 599 °C 600 ~ 1599 °C 1600 °C | ± 0.51 °C ± 0.43 °C ± 0.38 °C ± 0.30 °C ± 0.24 °C ± 0.23 °C ± 0.27 °C |
| | Thermocouple Type T | - 250 ~ - 201 °C - 200 ~ - 101 °C - 100 ~ - 1 °C 0 ~ 400 °C | ± 0.36 °C ± 0.17 °C ± 0.12 °C ± 0.12 °C |

A

...



| | | | (2- SIGMA) |
|----------|------------------|-----------------|---------------------------------|
| | 1 μ V | 2- Sigma | A B T hermocouple Calibrator |
| | Specification() | | |
| | UUT | (male) | |
| | 2 UUT | Y | 2 (male) |
| | Mini- TC | Voltage Gain() | Offset() |
| Mini- TC | UUT | (male) | |
| | 2 UUT | Y | 2 (male) |
| | | | 0.8mm |

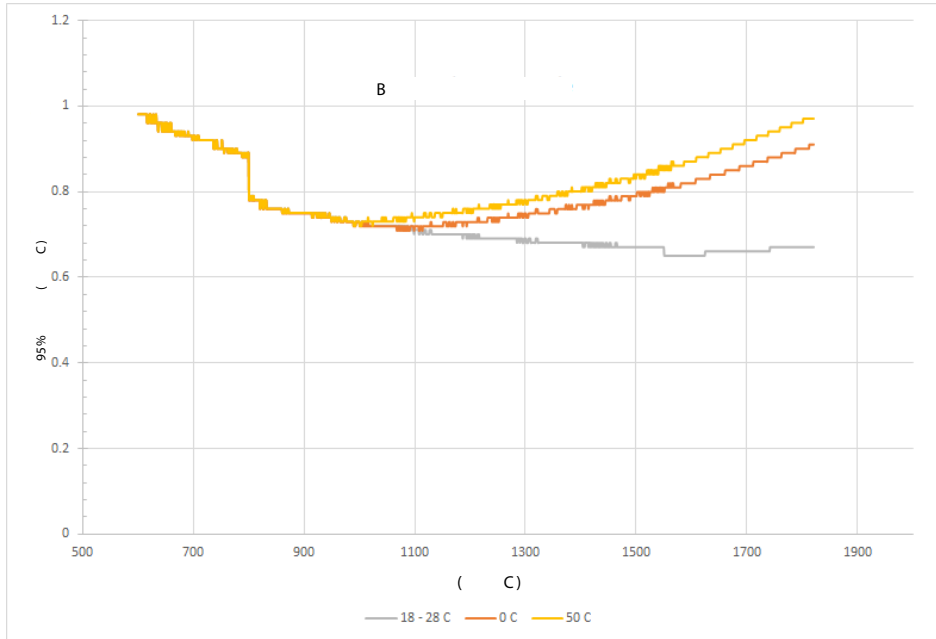
¹ Fluke 7526A ₂

A
"Specification(2- Sigma)"

1/100

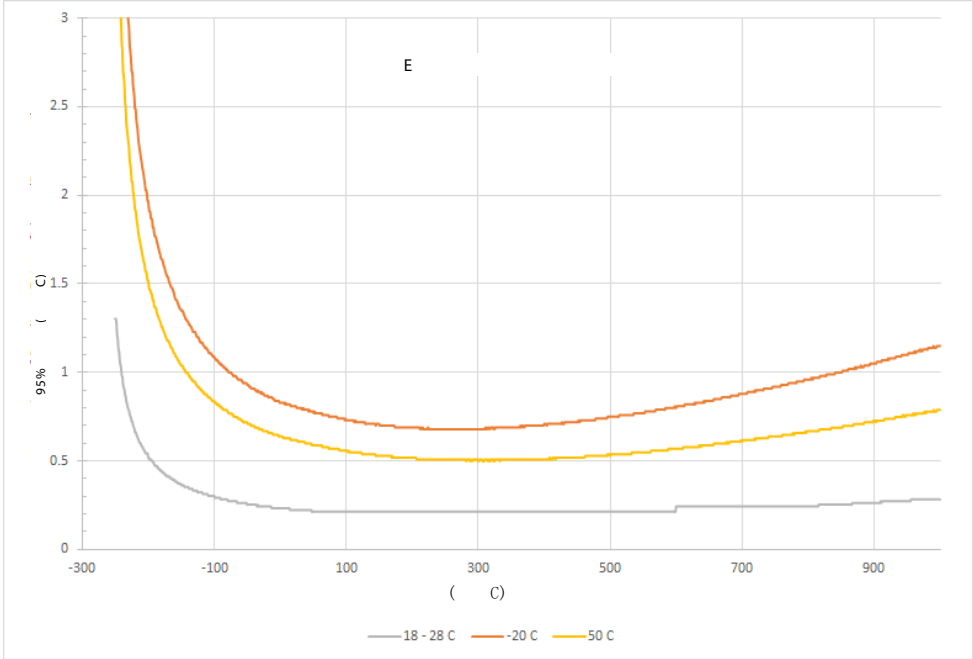
B.

Thermocouple Type B



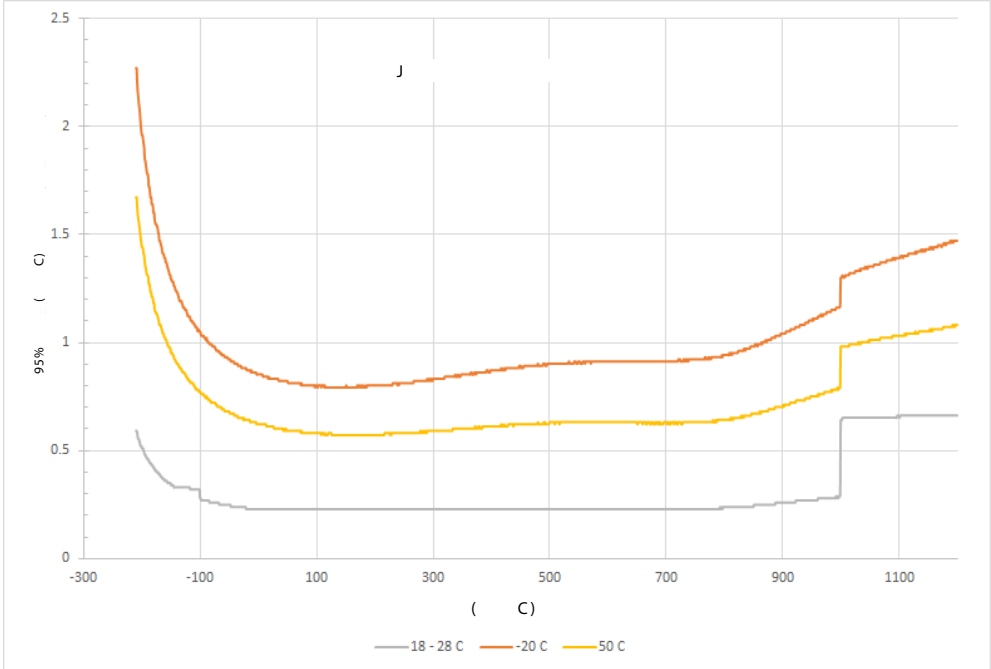
B-i

Thermocouple Type E

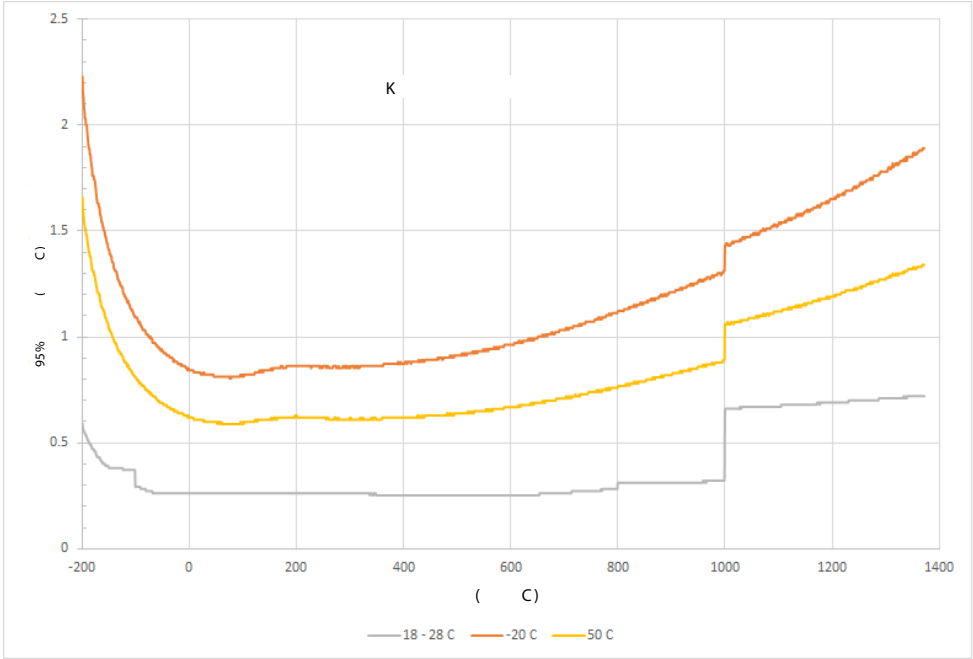


B-ii

Thermocouple Type J

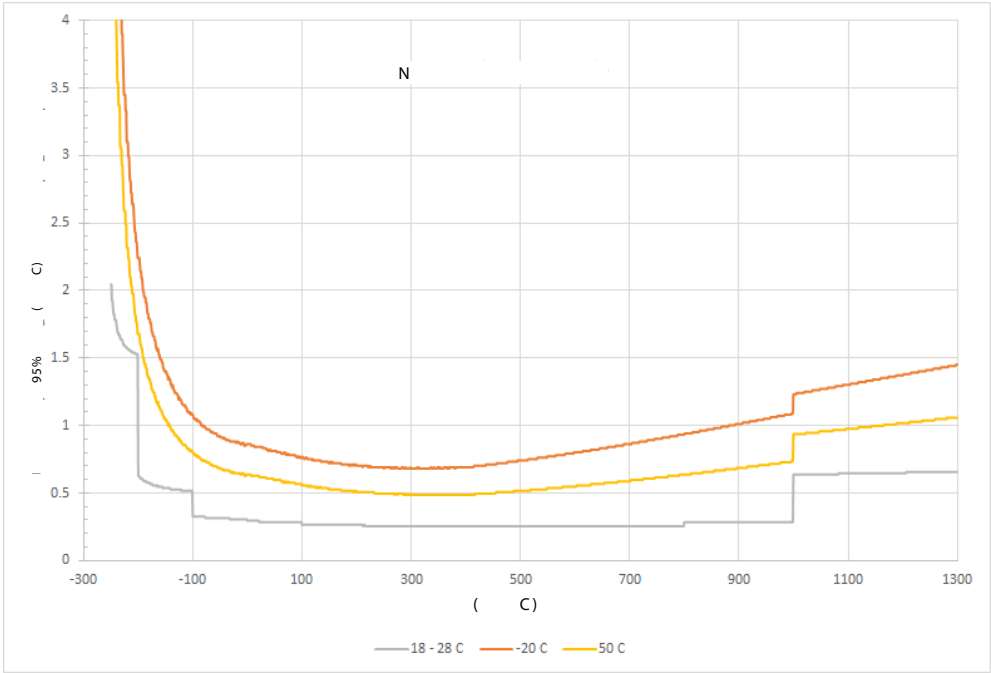


Thermocouple Type K



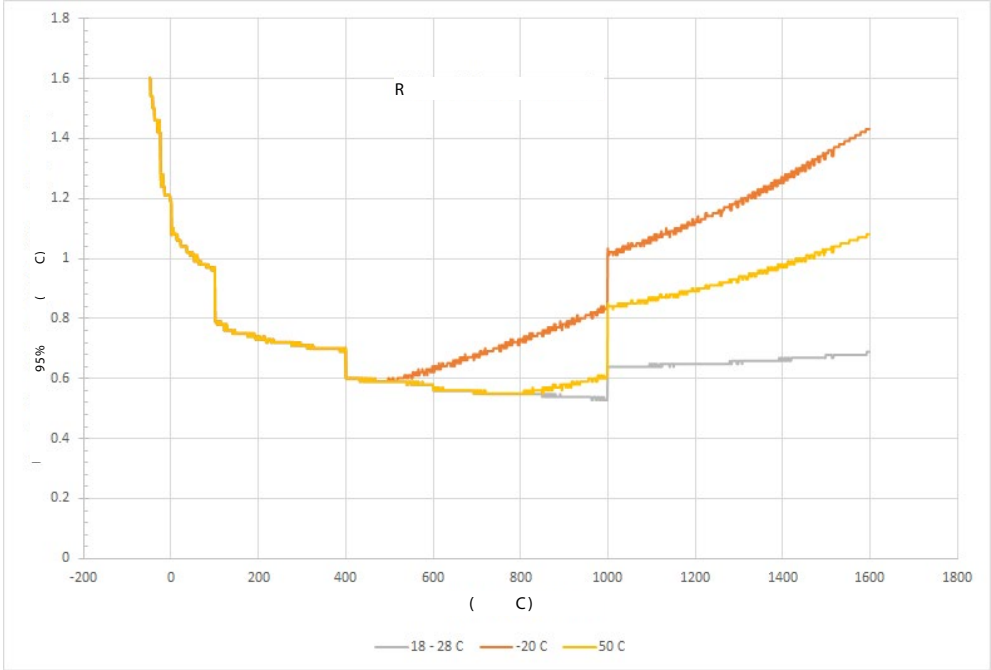
B-iv

Thermocouple Type N

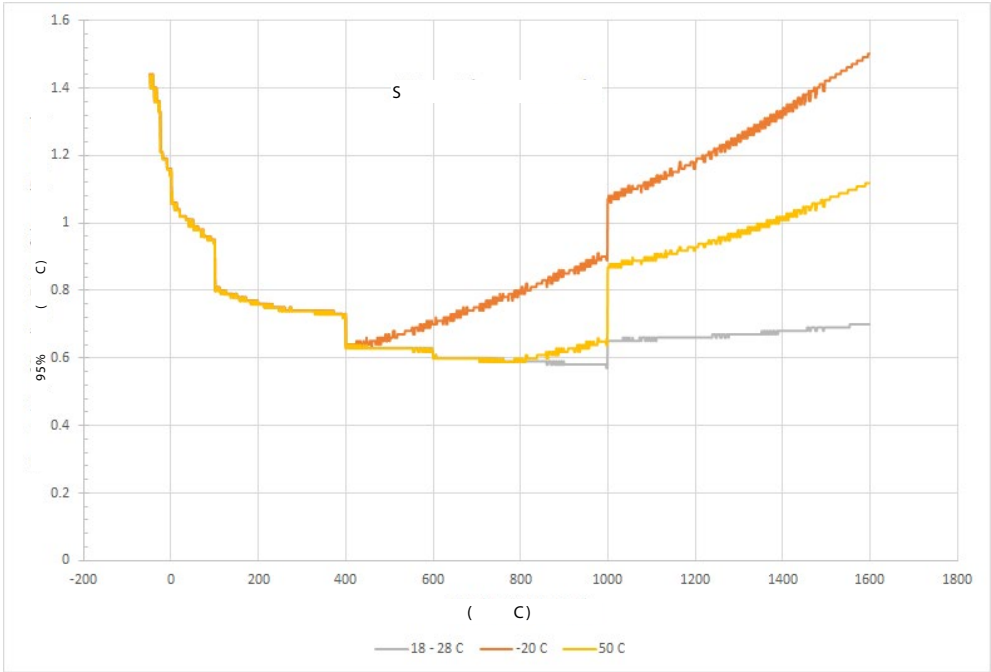


B-v

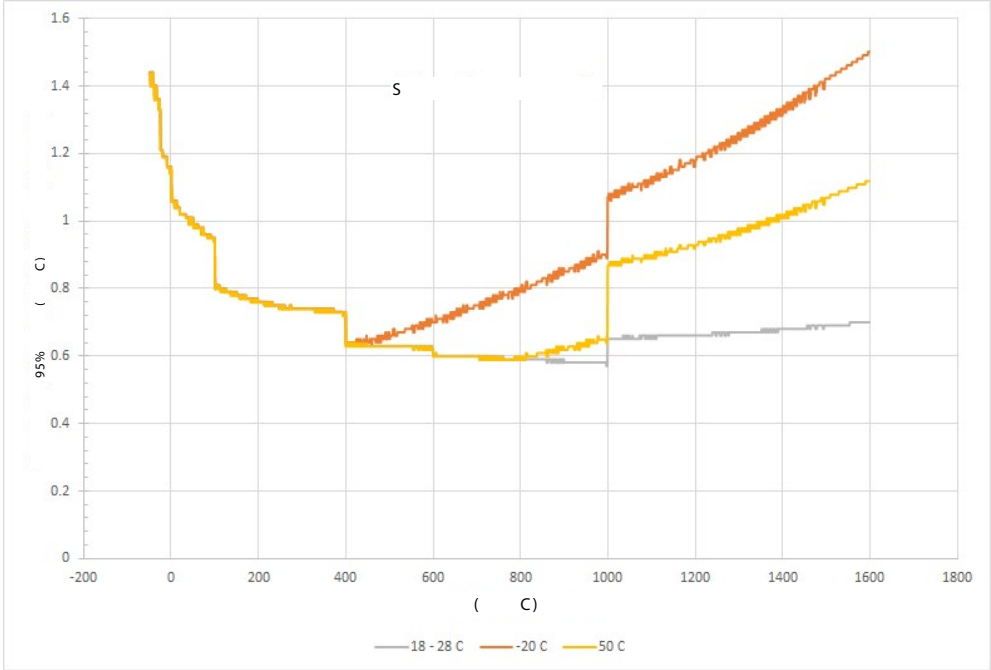
Thermocouple Type R



Thermocouple Type S



Thermocouple Type T



C.

| | (°C) | (°C) | (°C) | (°C) 2- SIGMA (± ° C) |
|---|-------|------|------|--------------------------|
| B | 600 | | | 0.98 |
| | 995 | | | 0.73 |
| | 1820 | | | 0.67 |
| E | - 250 | | | 1.30 |
| | - 95 | | | 0.29 |
| | 0 | | | 0.23 |
| | 995 | | | 0.28 |
| K | - 200 | | | 0.59 |
| | - 95 | | | 0.29 |
| | 0 | | | 0.26 |
| | 995 | | | 0.32 |
| | 1372 | | | 0.72 |
| J | - 210 | | | 0.59 |
| | - 95 | | | 0.27 |
| | 0 | | | 0.23 |
| | 995 | | | 0.28 |
| | 1200 | | | 0.66 |
| N | - 200 | | | 0.63 |
| | - 95 | | | 0.33 |
| | 0 | | | 0.30 |
| | 995 | | | 0.29 |
| | 1300 | | | 0.66 |
| R | 0 | | | 1.08 |
| | 995 | | | 0.53 |
| | 1600 | | | 0.69 |
| S | 0 | | | 1.06 |
| | 995 | | | 0.58 |
| | 1600 | | | 0.70 |
| T | - 250 | | | 1.36 |
| | - 95 | | | 0.31 |
| | 0 | | | 0.24 |
| | 400 | | | 0.23 |

C:

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