

Discontinuation Notice of Digital Panel Meter Model K3TF.

Product Discontinuation

Digital Panel Meter

Model K3TF-□□□8, -V91□,
-V51□, -A61□



Model K3TF-□81□, -□71□,
-V61□, -A91□



Recommended Replacement

No recommended replacement

There is no our product.
Watanabe Electric Industry Co., Ltd
Model A1000

[Discontinuation date]

The end of March, 2016

[Caution on recommended replacement]

There are some changes in rating and specifications.

Please read the catalog carefully for your understanding before using the product.

[Difference from discontinued product]

| Recommended replacement Model | Body Color | Dimen-sions | Wire connection | Mounting Dimensions | Charact-eristics | Operation ratings | Operation methods |
|-------------------------------|------------|-------------|-----------------|---------------------|------------------|-------------------|-------------------|
| Model A1000 | ** | * | -- | - | * | - | - |

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification



[Ordering Code]

| Product discontinuation Model K3TF | | Recommendable replacement Model A1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|---|----------------|--------------|----|--------------|----|--------------|----|------------|----|---------------|----|---------------|----|---------------|----|--------------|--|---|----------------|---|----------------|---|--------|--|---|---------------|---|----------------|---|----|---------|----|---------|----|---------|----|----------|----|----------|----|---------|
| K3TF-□ □ 1 □ ① ② ③ | | A1□1□ - □□ ① ② ③ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ①② Input Code | ③ Supply Voltage | ① Supply Voltage | ③ Range | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>V5</td><td>0 to 199.9 mV</td></tr> <tr><td>V6</td><td>0 to 1.999 V</td></tr> <tr><td>V7</td><td>0 to 19.99 V</td></tr> <tr><td>V8</td><td>0 to 199.9 V</td></tr> <tr><td>V9</td><td>0 to 400 V</td></tr> <tr><td>A6</td><td>0 to 1.999 mA</td></tr> <tr><td>A7</td><td>0 to 19.99 mA</td></tr> <tr><td>A8</td><td>0 to 199.9 mA</td></tr> <tr><td>A9</td><td>0 to 1.999 A</td></tr> </table> | V5 | 0 to 199.9 mV | V6 | 0 to 1.999 V | V7 | 0 to 19.99 V | V8 | 0 to 199.9 V | V9 | 0 to 400 V | A6 | 0 to 1.999 mA | A7 | 0 to 19.99 mA | A8 | 0 to 199.9 mA | A9 | 0 to 1.999 A | <table border="1"> <tr><td>4</td><td>100 to 120 VAC</td></tr> <tr><td>5</td><td>200 to 240 VAC</td></tr> <tr><td>8</td><td>24 VAC</td></tr> </table> | 4 | 100 to 120 VAC | 5 | 200 to 240 VAC | 8 | 24 VAC | <table border="1"> <tr><td>1</td><td>90 to 132 VAC</td></tr> <tr><td>2</td><td>180 to 264 VAC</td></tr> </table> | 1 | 90 to 132 VAC | 2 | 180 to 264 VAC | <table border="1"> <tr><td>12</td><td>199.9 V</td></tr> <tr><td>13</td><td>19.99 V</td></tr> <tr><td>14</td><td>199.9 V</td></tr> <tr><td>23</td><td>19.99 mA</td></tr> <tr><td>24</td><td>199.9 mA</td></tr> <tr><td>25</td><td>1.999 A</td></tr> </table> | 12 | 199.9 V | 13 | 19.99 V | 14 | 199.9 V | 23 | 19.99 mA | 24 | 199.9 mA | 25 | 1.999 A |
| V5 | 0 to 199.9 mV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V6 | 0 to 1.999 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V7 | 0 to 19.99 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V8 | 0 to 199.9 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V9 | 0 to 400 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6 | 0 to 1.999 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A7 | 0 to 19.99 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A8 | 0 to 199.9 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A9 | 0 to 1.999 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 100 to 120 VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 200 to 240 VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 24 VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 90 to 132 VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 180 to 264 VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 199.9 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 19.99 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 199.9 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 19.99 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 199.9 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1.999 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ② Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <tr><td>4</td><td>AC voltage</td></tr> <tr><td>5</td><td>AC current</td></tr> </table> | 4 | AC voltage | 5 | AC current | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | AC voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | AC current | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

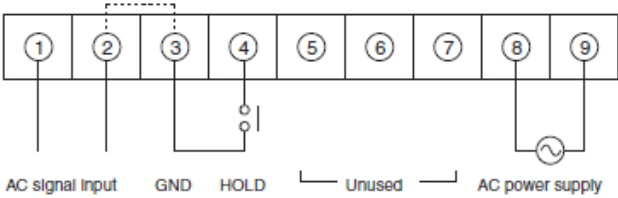
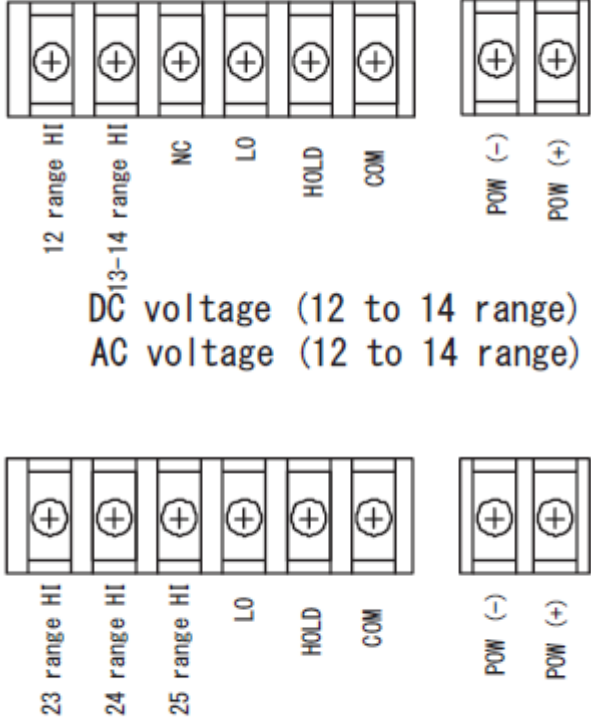
[Product Discontinuation and recommended replacement]

| Product discontinuation | Recommended replacement |
|--------------------------------|--------------------------------|
| K3TF-V918 | No recommended replacement |
| K3TF-V818 | No recommended replacement |
| K3TF-V718 | No recommended replacement |
| K3TF-V618 | No recommended replacement |
| K3TF-V518 | No recommended replacement |
| K3TF-A918 | No recommended replacement |
| K3TF-A818 | No recommended replacement |
| K3TF-A718 | No recommended replacement |
| K3TF-A618 | No recommended replacement |
| K3TF-V915 | No recommended replacement |
| K3TF-V914 | No recommended replacement |
| K3TF-V815 | A1214-14 |
| K3TF-V814 | A1114-14 |
| K3TF-V715 | A1214-13 |
| K3TF-V714 | A1114-13 |
| K3TF-V615 | A1214-12 |
| K3TF-V614 | A1114-12 |
| K3TF-V515 | No recommended replacement |
| K3TF-V514 | No recommended replacement |
| K3TF-A915 | A1215-25 |
| K3TF-A914 | A1115-25 |
| K3TF-A815 | A1215-24 |
| K3TF-A814 | A1115-24 |
| K3TF-A715 | A1215-23 |
| K3TF-A714 | A1115-23 |
| K3TF-A615 | No recommended replacement |
| K3TF-A614 | No recommended replacement |

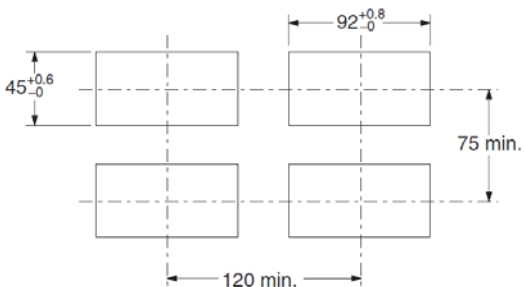
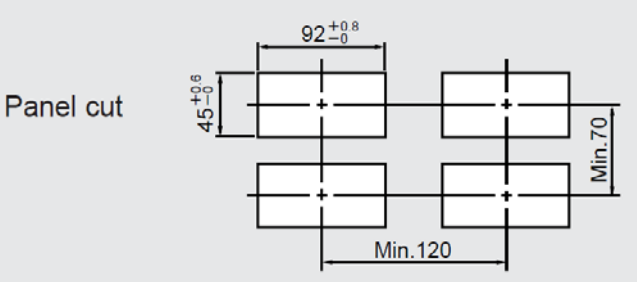
[Body color]

| Product discontinuation Model K3TF | Recommendable replacement Model A1000 |
|--|---|
| <p>Black</p>  | <p>Black</p>  |

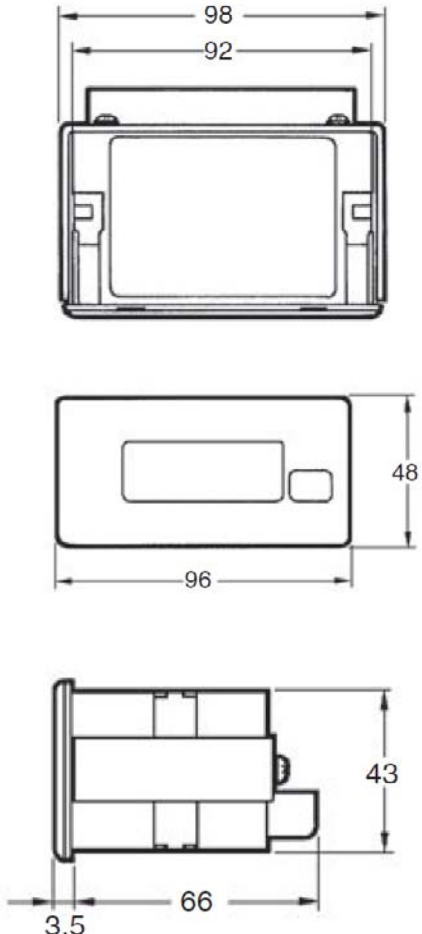
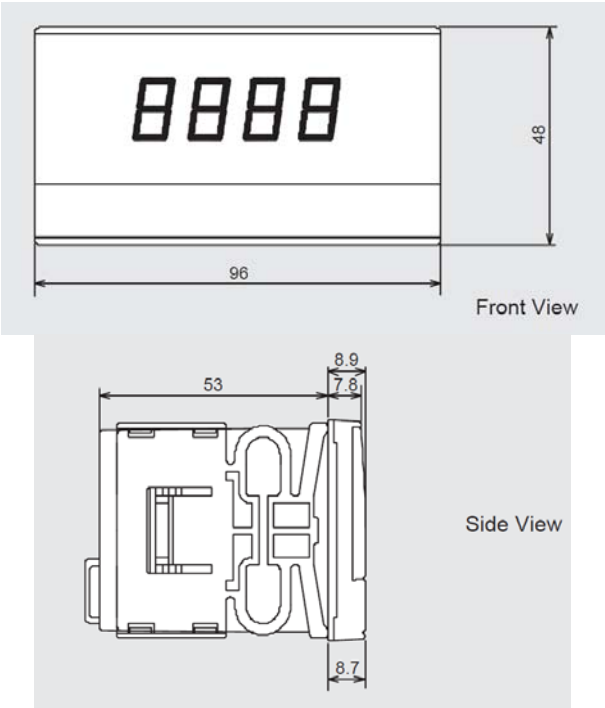
[Wire connection]

| Product discontinuation Model K3TF | Recommendable replacement Model A1000 |
|--|---|
|  <p>AC signal input GND HOLD Unused AC power supply</p> |  <p>12 range HI 13-14 range HI NC LO HOLD COM POW (-) POW (+)</p> <p>DC voltage (12 to 14 range) AC voltage (12 to 14 range)</p> <p>23 range HI 24 range HI 25 range HI LO HOLD COM POW (-) POW (+)</p> <p>DC current (23 to 25 range) AC current (23 to 25 range)</p> |

[Mounting dimensions]

| Product discontinuation Model K3TF | Recommendable replacement Model A1000 |
|---|--|
| <p style="text-align: center;">Panel Cutouts</p>  <p>Note: The values above are recommended values. Do not group-mount the meters at intervals less than the recommended ones.</p> | <p style="text-align: center;">Panel cut</p>  |

[Dimensions]

| Product discontinuation Model K3TF | Recommendable replacement Model A1000 |
|--|---|
|  |  <p style="text-align: right;">Front View</p> <p style="text-align: right;">Side View</p> |

[Characteristics]

| Item | | Product discontinuation Model K3TF | Recommendable replacement Model A1000 |
|--------------------------------|-------------------|---|--|
| Supply voltage | | 100 to 120 VAC (50/60 Hz) 200 to 240 VAC (50/60 Hz) 24 VAC | 90 to 132 VAC 180 to 264 VAC |
| Operating voltage range | | -15% to +10% of supply voltage | --- |
| Power consumption | | 4 VA (at max. load) | 1.5 VA at AC power |
| Insulation resistance | | 10 MΩ min. (at 500 VDC) between external terminal and case | Power supply and input, 500 VDC 100 M |
| Dielectric strength | | 2,000 VAC min. for 1 min between input terminal and power supply 2,000 VAC min. for 1 min between external terminal and case | Power supply and input, 1500 VAC/ 1 min at AC power |
| Ambient temperature | | Operating: -10° to 55°C (with no icing) Storage: -20° to 65°C (with no icing) | Operating 0 to 50°C Storage -10 to 70°C |
| Ambient humidity | | Operating: 35% to 85% (with no condensation) | Operating 35 to 85% RH Storage less than 60%RH |
| Max. displayed digits | | 3 1/2 digits (1999) | 1999 |
| Display | | 7-segment red LED | Red LED 14.2 mm height |
| Measuring range | AC voltage | 0 to 199.9 V 0 to 400 V 0 to 199.9 mV 0 to 1.999 V 0 to 19.99 V | 1.999 V 19.99 V 199.9 V |
| | AC current | 0 to 1.999 mA 0 to 19.99 mA 0 to 199.9 mA 0 to 1.999 A | 19.999 mA 199.9 mA 1.999 A |
| Accuracy | | AC voltage ±0.3%rdg ±1 digit 0 to 199.9 V with 100% input. ±0.3% FS±1 digit when the input is less than 35% FS AC current ±0.5%rdg ±1 digit (at 23±5°C) | AC Voltage Measurement ±0.5% of F.S (23°C±5°C) AC Current Measurement ±1.0% of F.S (23°C±5°C) |

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.