

WIRE HARNESS CHECKER

Continuity checker for wire harness, cables, etc.

WFA-200



Special features

- Test capacity : 64 to 384 points (64-point unit).
- Connection data : Data by sampling or create data by PC.
- Continuity test : Checks Open, Mix and Short circuits.
- Instantaneous open circuit test : Checks incomplete connections (a wire seems to be cut or a terminal seems to be pulled out at any moment).
- Diode circuit test : Checks polarity, open and short of diode.
- Step test : Checks 10 different connection data sequentially.
- OK / NG count : Indicates OK / NG count (NG count - only for manual start)
- External output : Outputs the OK / NG state with a contact point signal.
- Outer shape : Compact size - much smaller than PC keyboard space.
- Power source : AC100V~240V 50/60Hz • 20VA. Usable at any countries.

■ For more reliable testing

1. Selectable the test mode : Auto start or Manual start

AUTO start

When connected the test object to this machine, the continuity test will start automatically. If the test is passed, an OK tremolo sound will be heard and counts up the OK (= passed test object). Its data will be output external with a contact point signal.

MANUAL start

Starts the test when pressed a start button after connecting the test object. If the test is passed, an OK tremolo sound will be heard and counts up the OK.

In case of a failure test object (wire harness), an alarm sound to be heard and counts up a NG. Possible to start by the external signal. Both OK / NG data will be output external with a contact point signal.

2. Available checking the circuit for an instantaneous open reaction.

The purpose of this function is to eliminate the insecure connections like a wire being cut or terminal being pull out. If added some outer pressures, such as a vibraion, bending or twisting, or jerking to the test object, the insecure connection part may happen or occur the instantaneous open reaction. If the checker would find this phenomenon, sounds the alarm and indicates the part in question.

■ More versatile use with your PC

You can create a connection data securely and effectively !

Edit functions on the PC :

- (1) Edit and Print out of connection tables, terminal name lists, file names and test names.
- (2) Test definition (Set up of a STEP test).
- (3) Others :
 - Copy, shift, delete of a connection data.
 - Auto creation of a sequenced terminal name list.
 - Check the connection table and the terminal name list.
 - Auto input of an independent terminal.
 - Auto creation of 1 : 1 connection table.

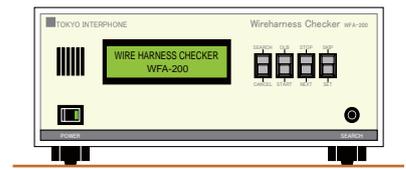
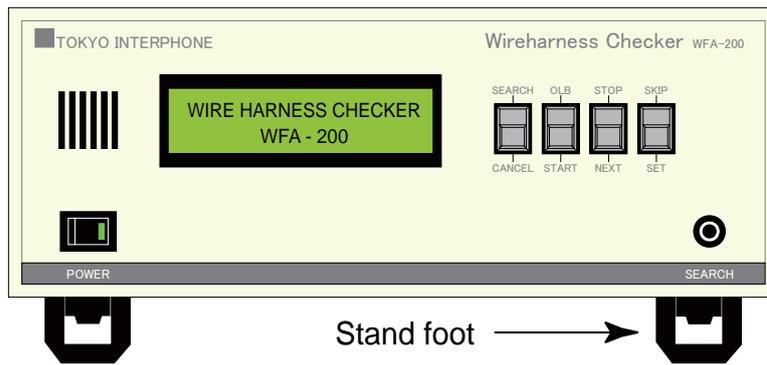
- In order to connect your PC to this machine, you need an optional program (software).
- PC operate circumstance : Windows 2000 / XP

■ Available models and the capacities

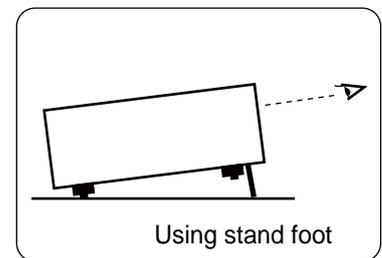
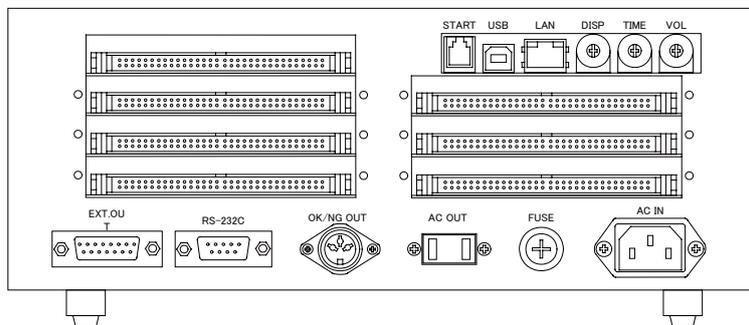
The point capacity can be increased up to 384P after purchase except WFA-200-6.

| Model | Capacity (point) | Model | Capacity (point) |
|-----------|------------------|-----------|------------------|
| WFA-200-1 | 64 P | WFA-200-4 | 256 P |
| WFA-200-2 | 128 P | WFA-200-5 | 320 P |
| WFA-200-3 | 192 P | WFA-200-6 | 384 P |

Front panel



Rear panel

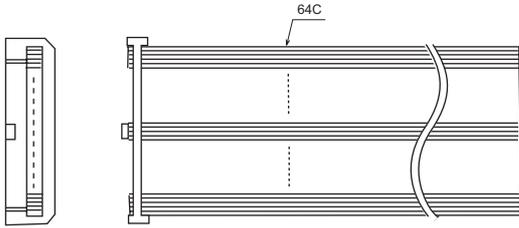


Specifications

- 1) Q'ty of test point : 64 ~ 384 points
- 2) Test sensitivity : More than 200 ohms for Open, Less than 60K ohms for Short, and 100 μ sec at 128 points for instantaneous Open
- 3) Starting test mode : Auto / Manual start
- 4) External output : OK / NG signal output -- on contact point signal (0.5 / 1 / 5 / 10 sec) - Open collector
- 5) Diode circuit : Two-way electricity test
- 6) OK sound : Select from four kinds of sounds
- 7) OK / NG count : Indicates up to 9999 counts for both OK and NG. (Indication of NG counts are only for the Manual start.)
- 8) Step test : Possible to setup 10 steps.
- 9) Capacity between wires : 0.2 μ F
- 10) Display : 16 digits, 2 lines LCD display
- 11) Saving q'ty of connection data : 20 data
- 12) PC interface : USB
- 13) Connector for the test object : 64-pin flat cable with connector:
- 14) Power source : AC100V~240V 50/60Hz • 20VA.
- 15) Dimensions and weight : 290(W) x 130 (H) x 250 (D) mm, 6 Kgs.

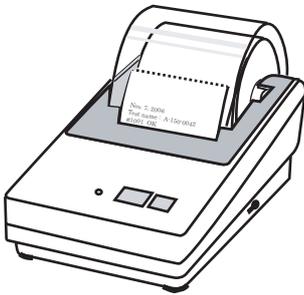
Optional accessories

1) Jig connection cable FC64-1.2K



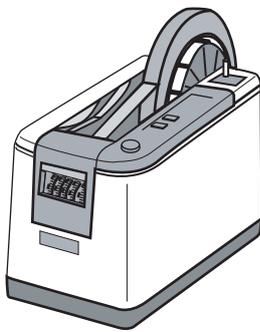
- 64 wires flat cable with connector at one side.
- Cable length : 1.2 meters cable
(Possible to arrange an optional length on request)

2) Printer WKE-07



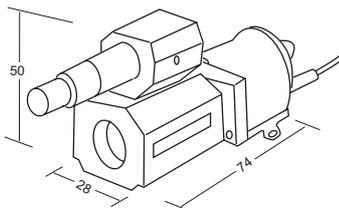
- Function : Print out of connection data, test results, etc.
- Features : High speed printing, light weight
- Interface : RS-232C Serial interface
- Accessories : connection cable, AC adaptor
- Size & weight : 106(W) x 106(H) x 180(D) mm
0.5 Kgs.

3) Tape cutter WTC-100E



- When the test object (wire harness) is passed the test, a fixed length of tape will come out and paste a "OK" mark to the object.
(The tape length : 1 ~ 12 cm adjustable)
- With a buzzer for tape cutting error.
- Tape role : Cellophane tape (1 or 3" inner dia.)
- Size & weight : 91(W) x 128(H) x 178(D) mm
1.3 Kgs.

4) "OK" marker OM-01



- When the test object (wire harness) is passed the test, a "OK" mark will be put automatically.
- Available to change the mark.
- Possible to combine the fitting position and the mark position optionally.
- Size : 74(W) x 50(H) x 28(D) mm