

# WIRE HARNESS CHECKER

Continuity checker for wire harness, multi-cables, etc .

## Model **WFA-300**

256P ~ 1024P auto programming system



< Check capacity >

	Model #	Check capacity	Model #	Check capacity
Main unit	WFA-300-1	256 P	WFA-300-2	512P
Expansion	WFS-300-1	256 P	WFS-300-2	512P

The inspection capacity is the number of pins of the terminal to be inspected that can be inspected and can be added later. (Possible to add : 256P ⇒ 512P)

- Inspection function : Disconnection • Miswiring • Instantaneous break • Short circuit
- Display : 4 rows 20 digits liquid crystal display
- Connection data : 1600 data saved in internal scale (Data backup with USB memory)
- Inspection results : Record within the main body, save for half a year  
(take out to the outside with a USB memory)

## Features :

### 1. Filename of inspection connection data

Up to 20 digits can be registered.

### 2. Retrieve inspection results

By installing the saved inspection result (inspection log) on the personal computer, you can perform the following operations

### 3. Data editing on personal computer

If you install the data editing program WED - 300 (sold separately) on your PC you can do the following operations :

- (1) Edit connection data
- (2) You can convert WFA - 500 type harness checker connection data for WFA- 300.
- (3) Storage and summarization of inspection results

### 4. Instantaneous interruption inspection

Instantaneous interruption inspection can be performed to remove uncertain connection (wire disconnection, terminal disconnection, etc.)

### 5. Various settings in hierarchical menu

- (1) Setting open / short judgment resistance value
- (2) OK / NG signal output time (no-voltage contact signal 0.1 to 10 sec.)
- (3) Marking language
- (4) OK • NG sound tone

You can choose from five different OK and NG sounds with different sounds.  
(One of them tells "OK" or "It is an error" by voice)

- (5) Inspection start mode : Automatic / Manual

### 6. Counting of OK/NG count

1 ~ 9999

### 7. Creation of inspection connection data

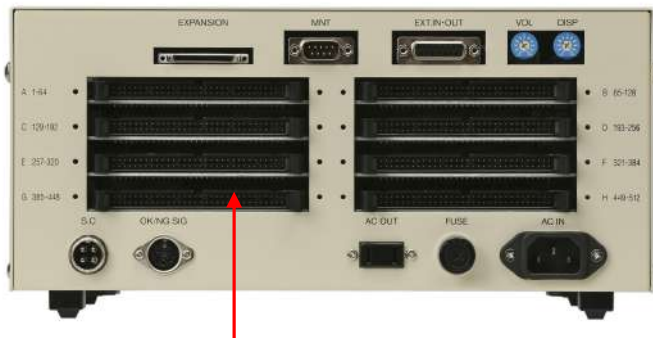
- (1) Connect sample and suck up.
- (2) Connect a USB keyboard (commercially available) and key it in.
- (3) Edit with a personal computer (Install data creation program WED-300)

## Procedure for starting inspection – Example

Make an inspection jig board → Connect the fixture board to this machine and turn on the power → Connect samples and pump connection data → When the suction is completed correctly remove the sample and connect the inspection item.

# Appearance

WFA-300-2(512P) back



Inspection item connection connector :  
Connector for 64P flat cable conforming to MIL standard.  
WFA-300-1 x 4 WFA-300-2 x 8

When using stand-foot



Panel surface will pull up.

## Specification

Inspection capacity : 256P ~ 1024P (256P unit, for 513P or more connection of extension machine)  
Display : 4 rows 20 digits liquid crystal display (character height 8 mm)  
External memory : USB memory (Reading and writing inspection data, retrieving inspection results)  
Internal memory : Micro SD card (Various settings of inspection connection data, storage of inspection results.)  
Interface : USB memory • USB keyboard • USB printer (conversion cable for Serial printer compatible)  
OK / NG signal (no-voltage contact / open collector output)  
Inspection time : 1 second (512P)  
Inspection start mode : Automatic / Manual Start inspection in manual mode ⇒ Numeric keypad (attached) • External switch • Bar code reading  
Connection data for inspection : 1600 data (1 group 16 data x 100 group)  
Inspection sensitivity (Open / short judgment resistance value)  
100/300/1k/10k/30k/100k ohm (by setting)  
Line capacitance : Less than 0.1uF  
Step inspection : Automatic connection data switching up to 10 steps.  
Diode inspection : Bidirectional energization inspection  
Clock : Built in (Backup battery CR2023, Reset time after replacement)  
Inspection voltage / current : DC12V / Max 30 mA (based on 100 ohms test sensitivity)  
AC input voltage : 85V ~ 264V  
Size and weight : Wide 315 x Depth 270 x High 144mm (including protrusion)  
Weight : 6kgs.

## Accessory

Inspection item connection connector  
(with 1.5 M flat cable, WFA-300-1 4 pieces , WFA-300-2 8 pieces)  
Ten keys (USB connection)  
EXT IN / OUT with external signal input / output connector (Dsub 15P male connector)  
Search tester stick (1.2 M)

## OPTION

### 1) Expansion machine WFS-300-1 (256P) / WFS-300-2(512P)

Connect to WFA - 300 (main unit) to increase the inspection capacity. The inspection capacity can be increased later (256P → 512P addition possible)

Front WFS-300-1/2



Rear WFS-300-2



Inspection item connection connector :  
MIL standard compliant 64P connector.  
(WFS-300-1x4, WFS-300-2x8)

Dimension • Mass :

W310 x D260 x H145mm, 6.0 kg

Accessories :

Main unit connection cable.

Inspection item connection connector  
(with 1.5M flat cable x 4/8 piece)

AC cable

### 2) Printer WKE-07U / WKE-08

You can print connection data, inspection results, etc.

WKE-07U



WKE-08



#### WKE-07U

Printing method : Dot matrix printing method.

Paper : 57.5mm x 60 or 80mm normal roll paper

Dimension : W 106 x D 180 x H 88 mm / 0.5 kg

Accessory : Main unit connection cable

(USB serial conversion cable + RS232 cable)

AC adapter

#### WKE-08

High speed printing • Low noise printer

Printing method : Line thermal dot printing method

Paper : 58 mm x dia. 83mm thermal roll paper

Dimension : W106 x D170 x H117 mm / 0.5kg

Accessories : Main unit connection cable

(USB cable), AC adaptor

### 3) Tape cutter WTC-100E

When passing the inspection, you can automatically send a certain tape, paste it on the Inspection item and "OK marking" can be done.



Tape length : About 1 ~ 15 cm optional setting.

With forgetting warning buzzer.

Used tape : Cellophane tape core inner diameter 25 / 76mm

Dimension : W91 x H 128 x D 178 mm / 1.3 kg

### 4) Data editing program WED-300

You can install this program on your computer and edit connection data etc.

Operating environment : Windows 7 or later

Edit function : Edits of connection table • terminal name table • file name Copy • Move • delete

Convert connection data for WFA-500 to WFA-300

This specification is subject to change without prior notice for improvement.

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