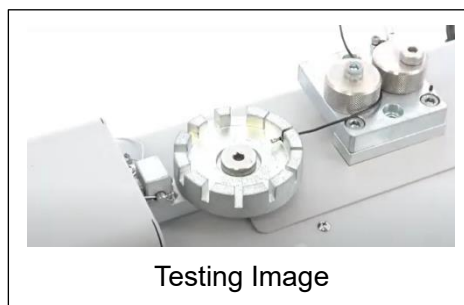


# Automatic Crimp Tester ACT-1000N

- Improves test efficiency with one-button operation, providing smooth flow from testing to data saving including OK/NG (pass/fail) judgement
- 2 modes selectable: BREAK mode and KEEP mode
- Capable of saving up to 26 test patterns, immediately recallable to suit various samples
- Complies with the corresponding part of UL and JIS standard



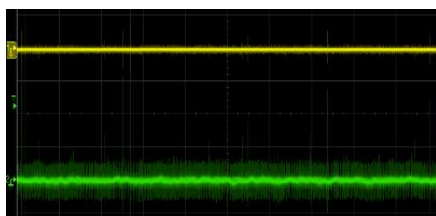
**ACT-1000N**

## [Evolution to the Next Series]

Next Series is a generic term for IMADA Force Gauges and Testing Devices with upgraded functions, performances with the essential modifications. Next Series: ACT-1000N Firmware Ver2.0 or later.

### New Features

-Increased measurement stability achieved from further noise reduction to the measurement circuit.



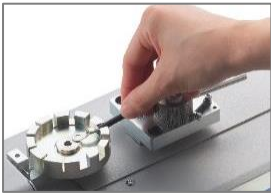


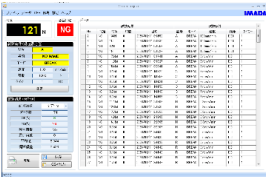

Internal analog wave comparison  
Yellow: Next series/Green: Old Model

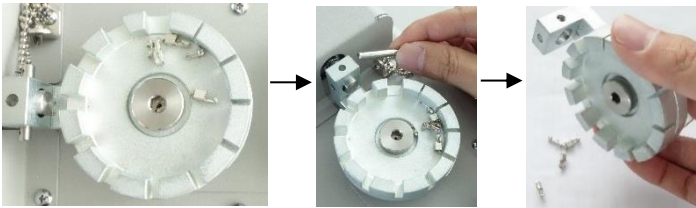
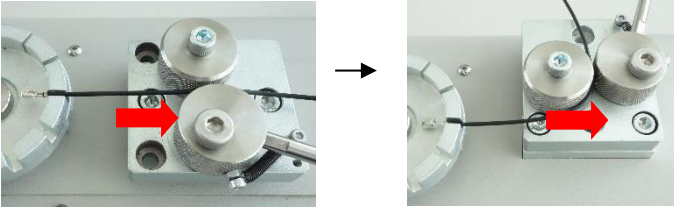
-Additional functions can be added by online firmware download. (Note: additional functions for ACT-1000N will be published in near future)  
-Manuals downloads and useful services available.



IMADA download site  
<https://www.imada-connected.com/>

Related Standard	<b>-JIS C 2805: 2010</b> [Crimp-type terminal lugs for copper conductors] (corresponding part only) <b>-JIS C 5402-16-4: 2012</b> [Connectors for electronic equipment-Tests and measurements-Part 16-4: Mechanical tests on contacts and terminations-Test 16d: Tensile strength (crimped connections)] (corresponding part only) <b>-UL 486A-486B: 2013</b> [Standard for Safety for Wire Connectors-9.3.4 Pullout test] (corresponding part only)
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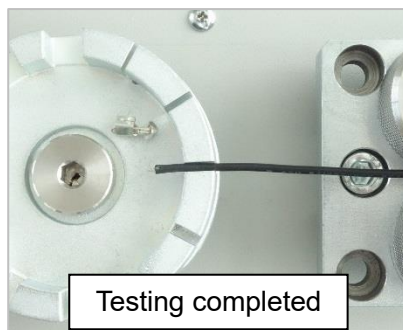
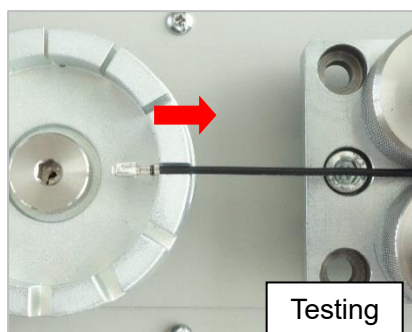
Features				
Perfect solution for automatic crimp testing				
Simple sample setting by one hand	Returns automatically after testing	OK/NG (pass/fail) judgement	Saves data in PC or ACT-1000N	Saves up to 26 test patterns
				

User-friendly Structure	
Broken terminals can be easily discarded by removing the jig from the body. 	Increased the gripping area prevents the wire cover from tearing. 

## Selectable 2 testing modes

### 1. BREAK mode for destructive test

It enables the test complying with the corresponding part of **JIS C 5402-16-4: 2012**.



The display shows the judgment result and the peak force when the crimp terminal breaks.



Peak force

Judgement result

### 2. KEEP mode for nondestructive test to apply specific force for set time

It enables the test complying with the corresponding part of

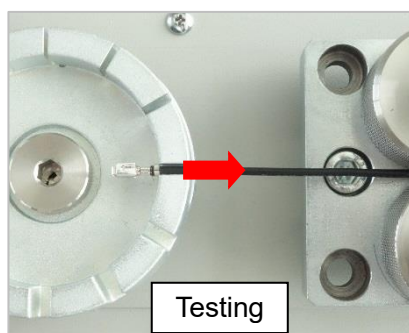
**-JIS C2805: 2010** (Keep loading force for 10 sec or more at 25mm/min)

**-UL 486A-486B: 2013** (Keep loading force for 60 sec or more)



Set the test condition to

[Keep loading 50N for 10 secs when pulling at 100mm/min]



[Display when testing]



←Current force

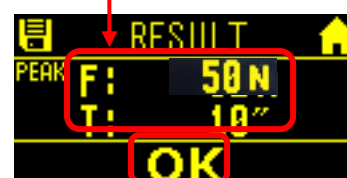
←Passed time

Set force ↑

↑ set time

F: Peak value

T: Loading time

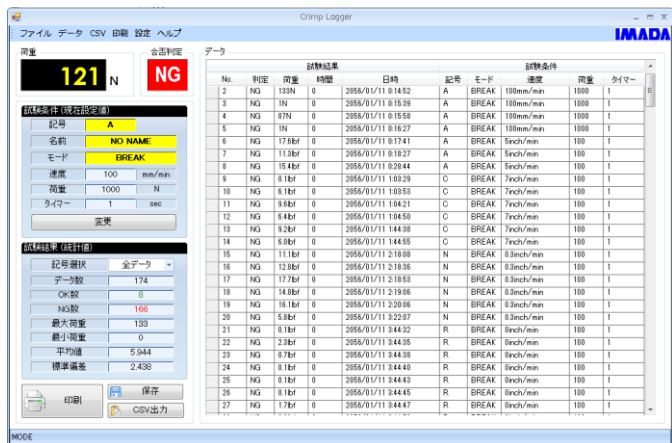



Judgement result



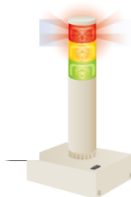
Specification		
Product Model	ACT-1000N	ACT-1000N-V300
Capacity	1000N	
Resolution	1N	
Accuracy	+/-0.5% F.S +/-1digit	
Unit	N, kgf, lbf (*1)	
Sampling rate	2000Hz	
Safe overload rating	Approx. 150% F.S.	
Overload warning	110% or less	
Measuring speed	10/25/50/100 mm/min (Adjustable from 4 step)	25/50/100/300 mm/min (Adjustable from 4 steps)
Stroke	Approx.50mm	
Allowable sample diameter	Terminal side: 1-8mm (*2) Harness side: 1-8mm (*2)	
Allowable sample length	100mm or more	
Mode	BREAK/KEEP mode	
Allowable test conditions	26 patterns (A to Z)	
Output	USB/RS232C/pass or fail decision signal (OK/NG)	
Security lock	Emergency stop button and Overload prevention (at the power on)	
Power supply	AC100-240V	
Weight	Approx.11kg	
Size	W400*D240*H150	
Operating environment	Temperature :0-40 degree Celsius, Humidity:20-80%RH	
Accessory	Software, USB cable, Power cord, Inspection Certificate	


\*1 This is the specifications for International model. Please note the specification is different for Japanese domestic mode.




\*2 Please contact us when you need to measure smaller size samples.

Supplied Software	
<p><b>Output Test Result</b></p> 	<p><b>Edit Test Condition</b></p> 
<p>The data (Peak Force, OK/NG judgement, Date&amp;Time, Test condition) and statistics can be saved in PC. CSV output and print of result are also possible.</p>	<p>Collectively edit the test condition up to 26 patterns (From A to Z) in PC. The edited conditions are available to be imported to ACT-1000N.</p>

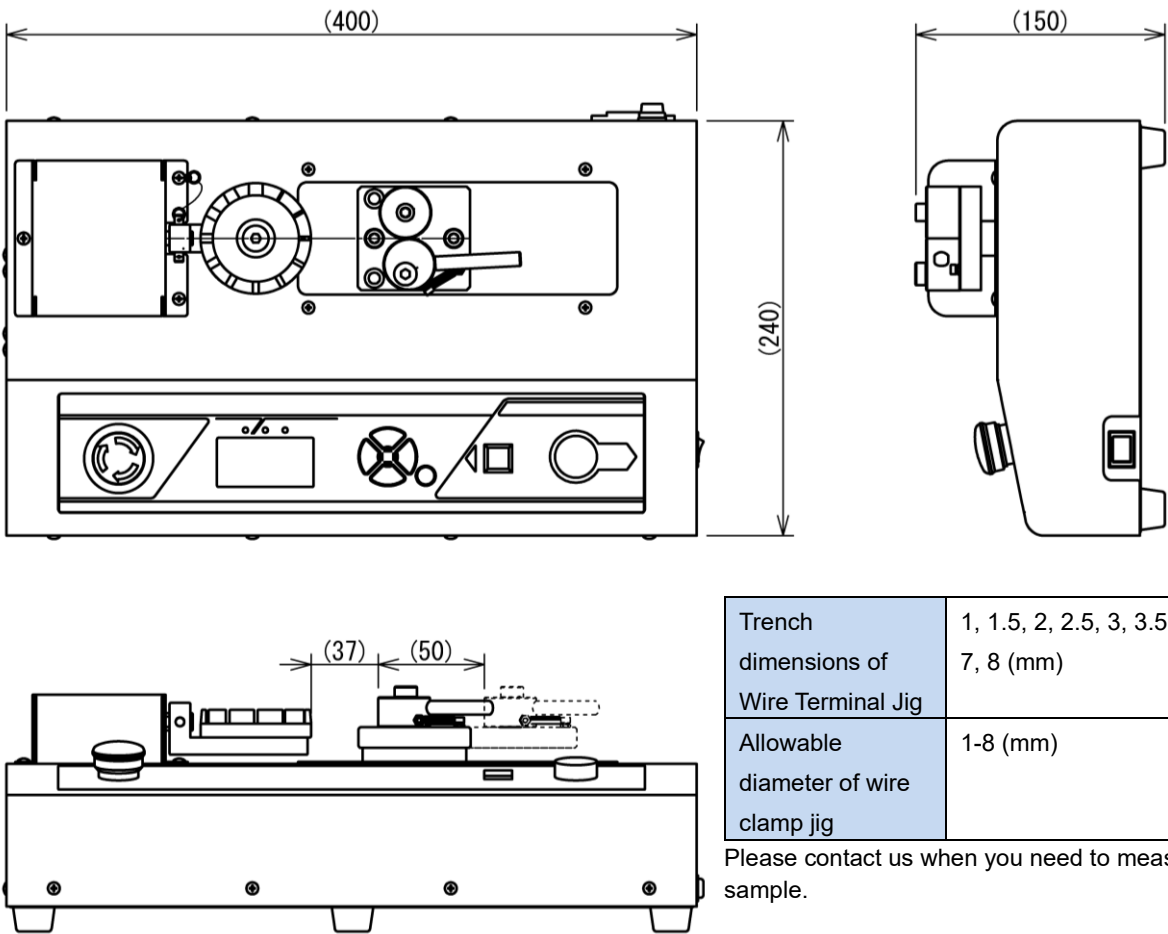
Operating Environment for the Supplied Software	
OS	Windows 7/8/8.1/10
Hardware Plat form Execute environment	CPU: Pentium4(1GHz or more) or more is recommended.
	Memory: 2GB or more is recommended.
	Hard disk (data storage area): 10GB or more is recommended.
Connection port	.NET Framework4.6 or later
OS Hardware	Microsoft Internet Explorer 6 or later
	Windows installer 3.1 or later
Plat form	USB1.1, USB2.0 connector * Operation in USB 3.0 has not been verified.

Related Products		
Jig for round terminals: <b>ACT-T-01</b>	Jig for rod terminals: <b>ACT-T-02</b>	Warning light (Custom-made)
		
It is designed easily to fix round terminals. The allowable diameter is $\phi 3/5/8$ mm.	It grips a small terminal such as a rod terminal which has a same diameter as the wire.	It clearly shows the test judgement result.

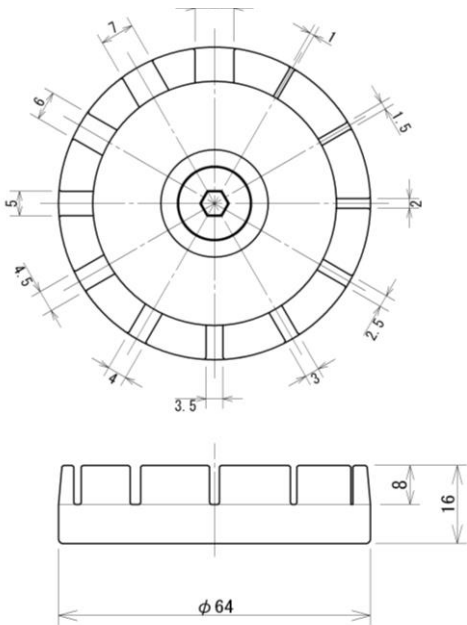
RS232C Printer	
	<p>Please prepare the printer by yourself. It prints out test condition and results when RS232C connecting.</p> <p>Recommended device: BL2-58 (Sanei Electric INC.) Required IMADA RS232C cable: CB-208</p>

Related Applications		
Simple test by manual tester	Test by motorized test stand	High-capacity wire crimp pull test
		
Configuration DSV-500N / LH-500N	Configuration ZTS-500N / MX2-500N / CB-528 / FW-12 / GP-30	Configuration ZTS-2500N / MX2-2500N / CB-528 / CH-5000N / CW-5000N

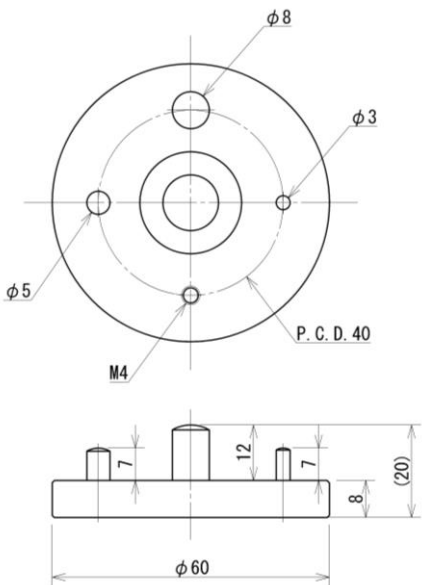
[Dimension]



Wire Terminal Jig (Supplied)

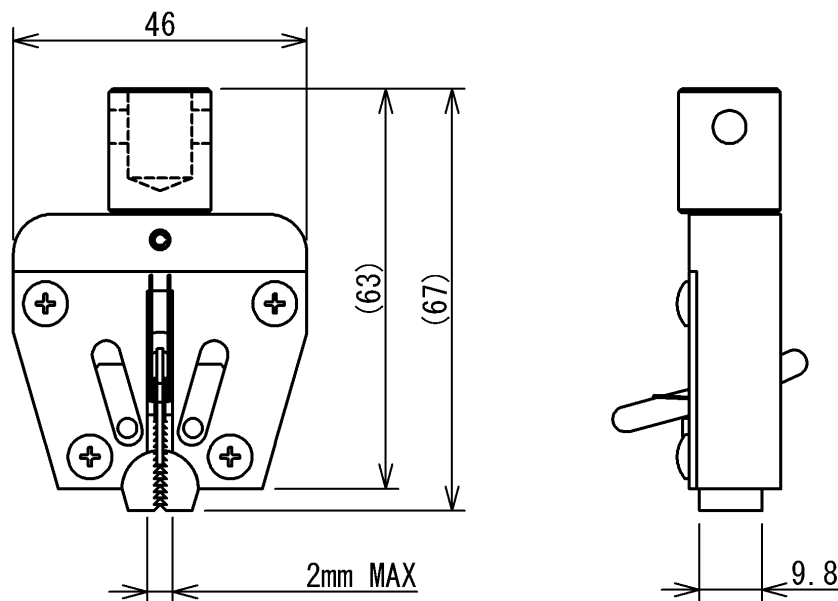


Wire Round Terminal Jig: ACT-T-01 (Option)





Rod Terminal Jig: ACT-T-02 (Option)



Unit: mm

#### [Cautions]

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- Please note that the capacity may be different depending on the displayed unit.
- Do not use this product in the environments including fierce temperature changes, high temperature, high humidity, near water, dusty place.

#### **IMADA CO., LTD.**

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Website: <http://www.forcegauge.net/en/>



Visit our website for more information on a wide range of product specifications, measurement applications and videos.