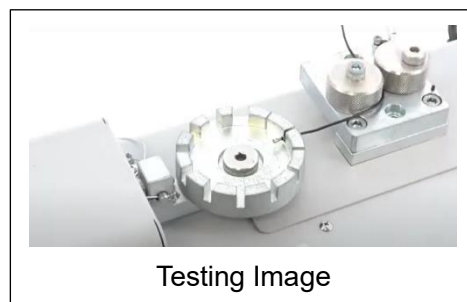


Automatic Crimp Tester ACT-1000N

- 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

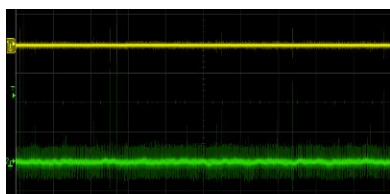
[Evolution to the Next Series]

Next Series is a generic term for IMADA measurement devices with upgraded functions and performances with the essential modifications. The devices enable to install additional functions from the user support site, IMADA-Connected. On the website, related data such as instruction manuals can also be downloaded.

Next Series: ACT-1000N Firmware Ver.2.0 or later.

New Features

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



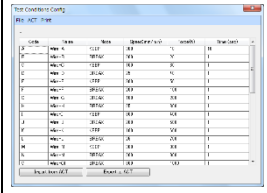
Internal analog wave comparison
Yellow: Next series/Green: Old Model

- Measurement device program (firmware) online updates available.
- Additional functions and instruction manuals downloadable to increase the measurement conveniences.



IMADA-Connected
(<https://www.imada-connected.com/>)

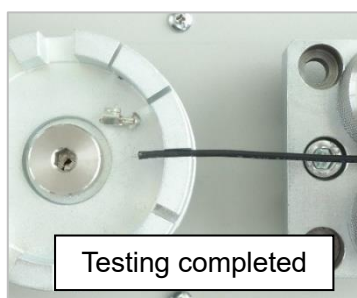
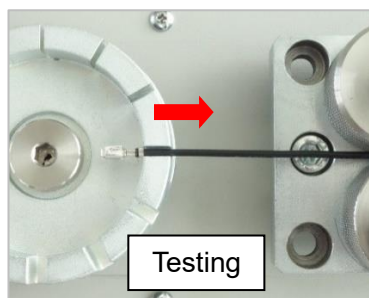
Related Standard	-JIS C 2805: 2010 [Crimp-type terminal lugs for copper conductors] (corresponding part only) -JIS C 5402-16-4: 2012 [Connectors for electronic equipment-Tests and measurements-Part 16-4: Mechanical tests on contacts and terminations-Test 16d: Tensile strength (crimped connections)] (corresponding part only) -UL 486A-486B: 2013 [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
				

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

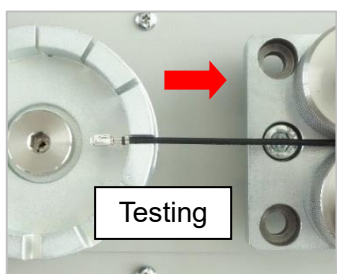
-JIS C2805: 2010 (Keep loading force for 10 sec or more at 25mm/min)

-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

←Pasted time

Set force ↑

↑ Set time

F: Peak value

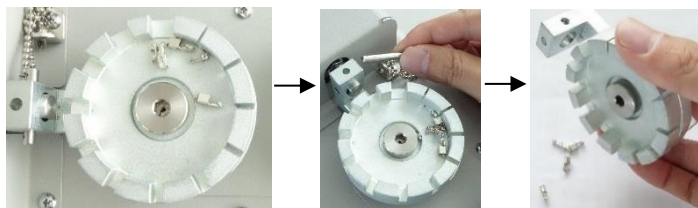
T: Loading time



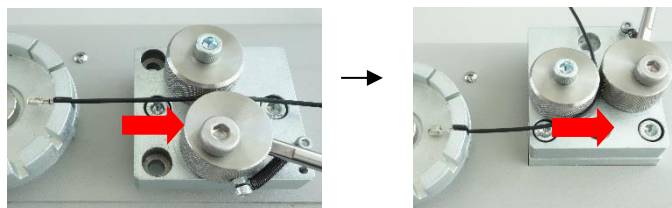
Judgement result

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.

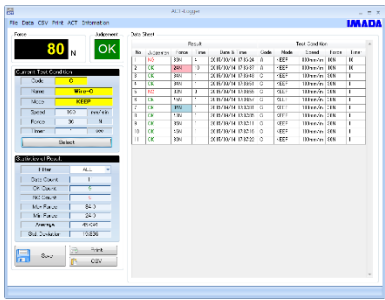
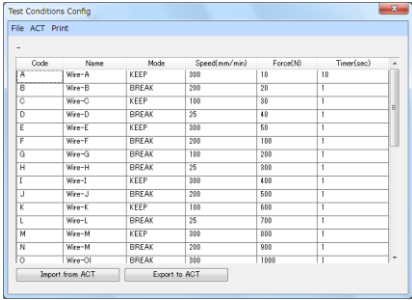


Specification

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.

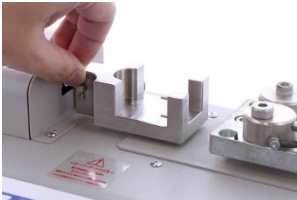
Supplied Software	
Output Test Result	Edit Test Condition
	
The data (Peak Force, OK/NG judgement, Date&Time, Test condition) and statictics can be saved in PC. CSV output and print of result are also possible.	Collectively edit the test condition up to 26 patterns (From A to Z) in PC. The edited conditions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

Operating Environment for the Supplied Software	
OS	Windows 8.1/10/11
Hardware	CPU: 1GHz or more
	Memory: 2GB or more
	Hard disk: 10GB (Data storage area) or more
Plat form	.NET Framework 4.6 or later

Related Products		
Jig for round terminals ACT-T-01 *1	Jig for rod terminals ACT-T-02 *1	Jig for ferrule terminal ACT-T-03S/L *1
		
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 can easily chuck the sample with one-touch mechanism.	It consists of a main body and a ferrule terminal fixing plate to hook and fix terminals. The model code varies depending on the hook size of the fixing plate. - ACT-T-03S: Hook size $\phi 0.4\text{mm} \sim 2.8\text{mm}$ - ACT-T-03L: Hook size $\phi 3.6\text{mm} \sim 8.0\text{mm}$
Fixing plate for ferrule terminal ACT-P-03S/L	RS232C Printer Package with a Dedicated Cable PRN-SEZD	
		
Plates to fix a wire with the ferrule terminal to the jig, ACT-T-03 series. - ACT-P-03S: Hook size $\phi 0.4\text{mm} \sim 2.8\text{mm}$ - ACT-P-03L: Hook size $\phi 3.6\text{mm} \sim 8.0\text{mm}$	The package of RS232C printer BL2-58 series and RS232C cable CB-208. Measurement data can be printed without PC.	

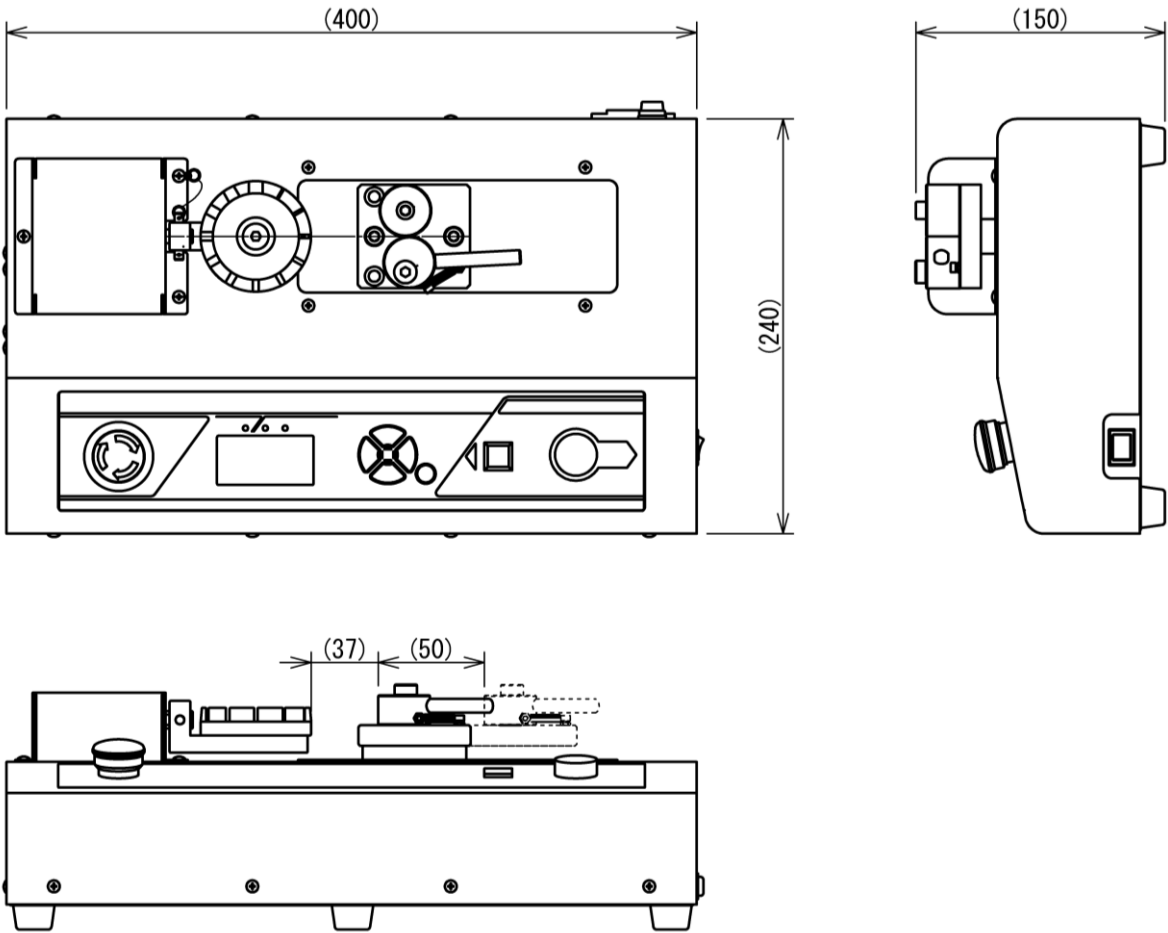
*1 Refer to [Dimension] on page 7 for detailed sizes.

*2 The image is ATC-T-03L.

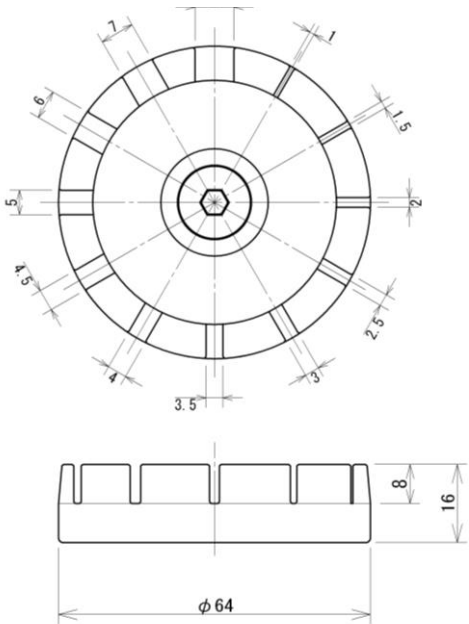
Optional attachment ACT-T series usage image (e.g. ACT-T-03L)			
Insert the measuring shaft of ACT-1000N into the main body of ACT-T-03L.	Fix the main body of ACT-T-03L with the snap pin and fixing pin.	Set the sample to the fixing plate of ACT-T-03L and attach it to its main body.	Grip the wire part of the sample with the wire fixture and measure the terminal strength by pulling the wire.
			

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]



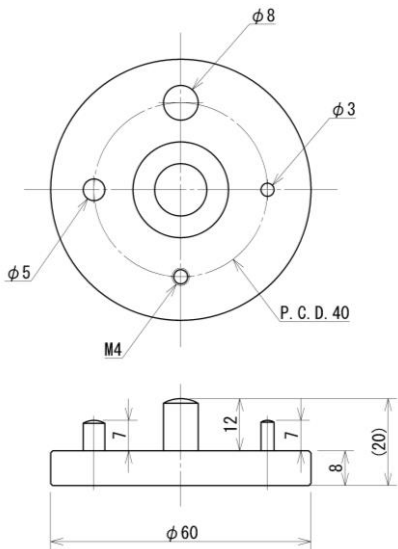
Wire Terminal Jig (Supplied)



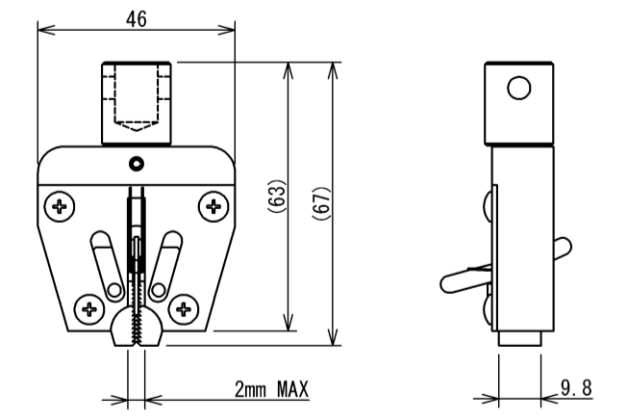
Trench dimensions of Wire Terminal Jig	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8 (mm)
Allowable diameter of wire clamp jig	1-8 (mm)

Please contact us when you measure smaller size samples.

Jig for round terminals: ACT-T-01 (Option)

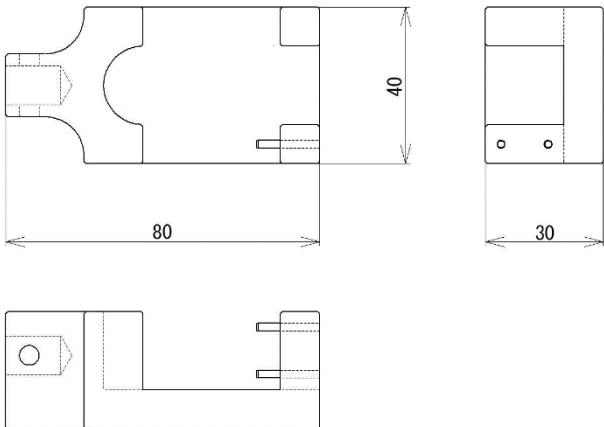


Jig for rod terminals: ACT-T-02 (Option)

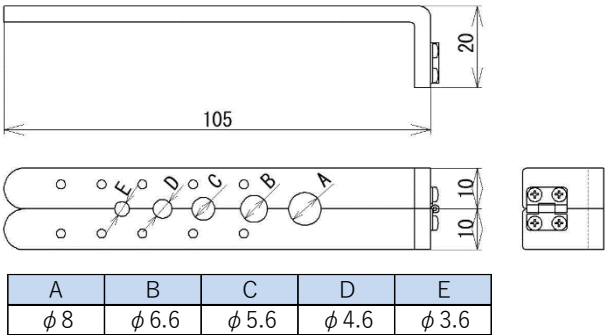


Jig for ferrule terminal: ACT-T-03S/L (Option)

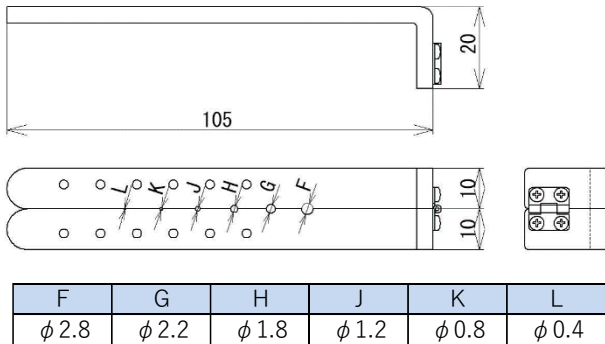
- Main body



- Included fixing plate of ACT-T-03L (ACT-P-03L)



- Included fixing plate of ACT-T-03S (ACT-P-03S)



Unit: mm

[ISO Calibration Service and Calibration Certificate]

- We are the accredited ISO / IEC 17025: 2017 Calibration Organization with the in-house Calibration Service facility.
- The Calibration Service and Issuing of the Calibration Certificates available at cost.
- For further information, please kindly contact the local authorized distributor or us.

[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.

FOR MORE INFORMATION PLEASE CONTACT:



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