

442B

Wrist Strap



- This antistatic wrist strap prevents the human body from becoming charged with static electricity.
- The stretchable band is easy to adjust.
- A conductive thread is used for the band lining.

Specifications

Part No.	442B-01	442B-02	442B-04	442B-05	442B-06	442B-07
Color	Blue		Light green		Gray	
Grounding wire	1.5 m	2.5 m	1.5 m	2.5 m	1.5 m	2.5 m

FG-470

Wrist Strap Tester



- Easy-to-use, quick-response tester for wrist straps
- A user-friendly pad secures pass/fail judgement on a wrist strap.
- Highly visible LED lamps and buzzer will indicate test result.

* Buzzer sounds only for "PASS".

Features

Connection patterns to choose depending on wrist straps

* Banana plug and grounding wire are included in FG-470.



Dedicated holder included

A mounting holder can make it easy to plug and unplug even with one hand. No tool is required to remove a unit. A unit can be portable off the holder.



* Example of installation



* 4 Wood screws provided

Packing List

FG-470	Unit, 006P 9 V dry battery (for trial), Grounding wire, Banana plug, Mounting holder, Wood screws (qty 4), Instruction manual
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Specifications

Model No.		FG-470
Power supply		006P 9 V dry battery (alkaline cell recommended)
Indication	LOW	$R < 800 \text{ k}\Omega$
	PASS	$800 \text{ k}\Omega \leq R \leq 9 \text{ M}\Omega$
	HIGH	$R > 9 \text{ M}\Omega$
Judgment level accuracy	800 k Ω	+ 10% / - 0%
	9 M Ω	+ 0% / - 10%
Battery life		Approx. 50,000 times (9 V alkaline)
Grounding wire		1 m
Operating environment		Ambient temperature/Humidity range: 0 to 40°C, max.80% RH (without condensation)
External dimensions		85 (W) × 44 (H) × 90 (D) mm
With mounting holder		92 (W) × 48 (H) × 97 (D) mm
Weight*		120 g
With mounting holder		160 g

* Without battery

FG-465 New

Footwear Tester



- Saves measurement data automatically
- Meets the requirement of JIS T 8103 : 2010
- Personal information can be registered in ID

Specifications

Model No.		FG-465
Rating		24 VDC 50 mA
Measurement voltage		20 VDC
Measurement range	Upper evaluation limit	1000 MΩ (1×10 ⁹ Ω)
		100 MΩ (1×10 ⁸ Ω)
		10 MΩ (1×10 ⁷ Ω)
	Lower evaluation limit	1 MΩ (1×10 ⁶ Ω)
		0.1 MΩ (1×10 ⁵ Ω)
		R < 0.1 MΩ (1×10 ⁵ Ω)
Conductivity evaluation	R < 0.1 MΩ (1×10 ⁵ Ω)	
Evaluation level accuracy	R < 0.1 MΩ	± 5%
	0.1 MΩ ≤ R ≤ 100 MΩ	± 10%
	100 MΩ < R	± 8%
Operating environment		Ambient temperature/Humidity range: 0 to 40℃, max.80% RH (without condensation)
Environment condition		Applicable rated pollution degree 2 (according to IEC / UL61010-1)
Dimensions		120 (W) × 30 (H) × 185 (D) mm
Weight*		0.55 kg

Test plate

Cord length		1.6 m
Dimensions**		300 (W) × 30 (H) × 300 (D) mm
Weight**		1.9 kg

AC adapter

Output voltage		24 VDC
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* Including mounting base

** Without cord

Packing List

FG-465		Unit, Test plate, Mounting base, Knob (qty 2), Wood screw (qty 2), Pan head screw (qty 2), AC adapter*, USB cable, Instruction manual
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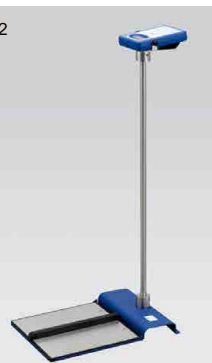
* AC adapter may not be included depending on the specifications.

Option

Part No.	Name
C5032	Stand
B5263	Unit integration base

Stand

No.C5032



Unit integration base (Connecting cable included)

No.B5263

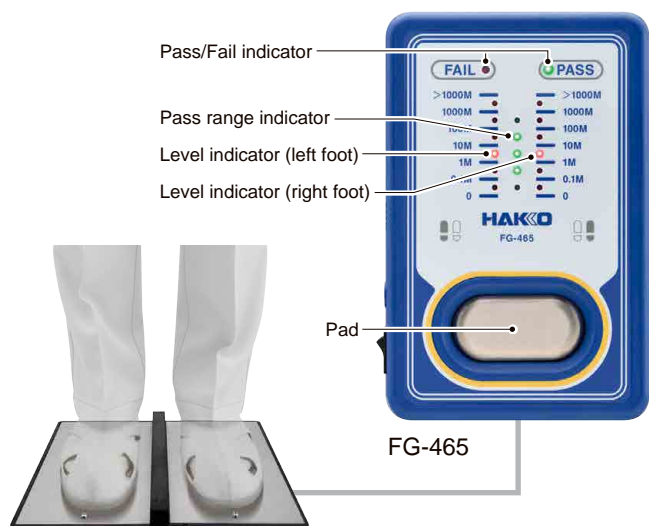


An option part to integrate FG-465 and FG-470 is available.

Features

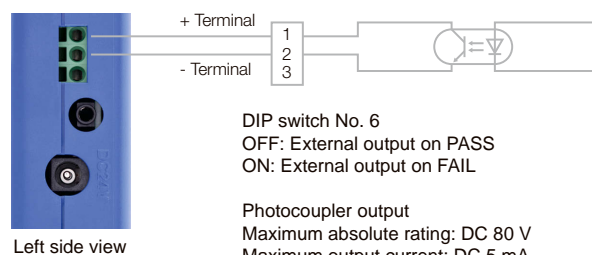
Dual foot plate

FG-465 measures anti-static performance of footwear on both feet but individually, and shows the results for each foot.



Evaluation external output

Evaluation results can be output through the external output terminal to interlock with other devices, to open a door, turn on a signal, etc.

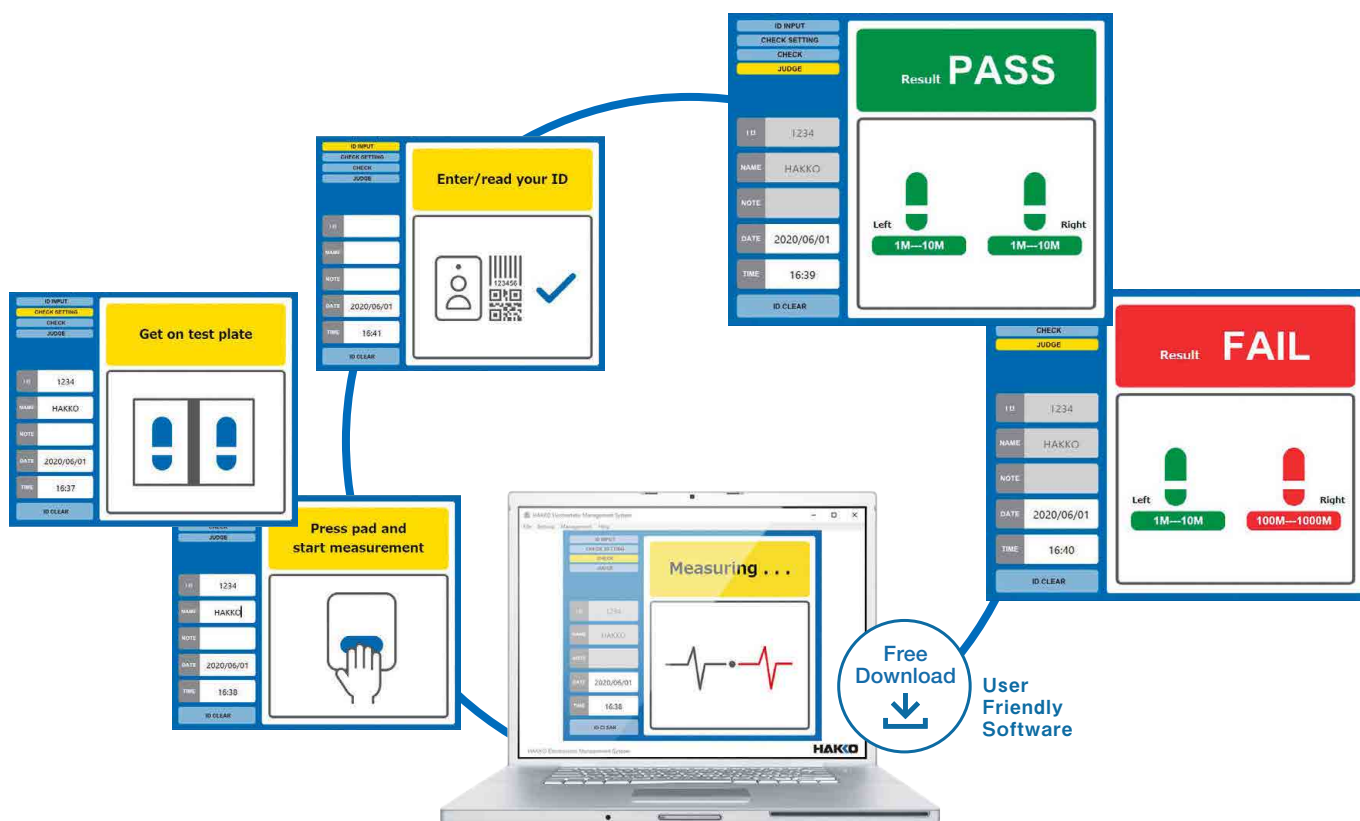


Photocoupler output
Maximum absolute rating: DC 80 V
Maximum output current: DC 5 mA
Output time: ON for 1 second after evaluation

User-friendly software

The dedicated software makes it easy to check measurement status of FG-465. The software enables digital management of all the related measurement information including operator IDs.

*The registrations on our website are necessary to download the software.

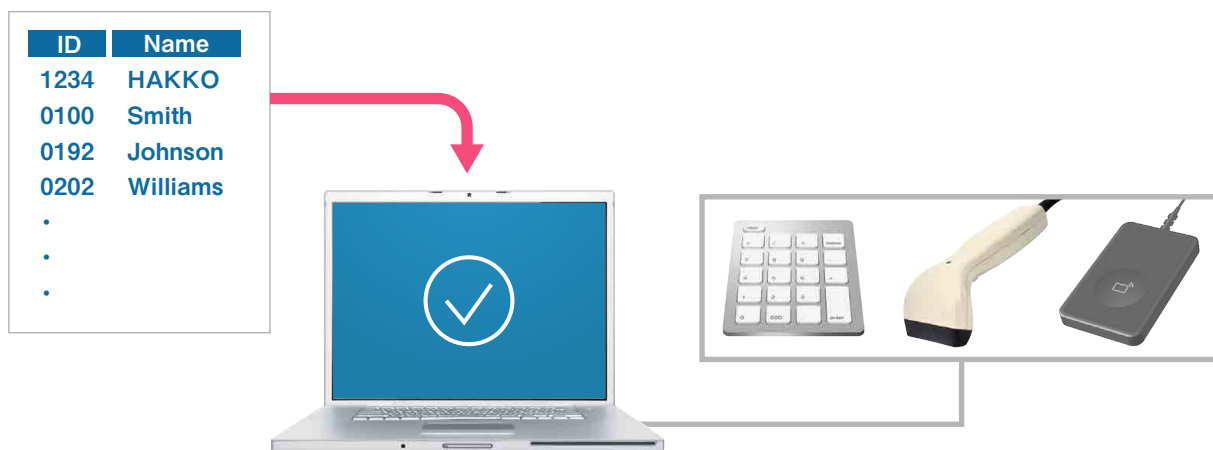


Features

ID Management

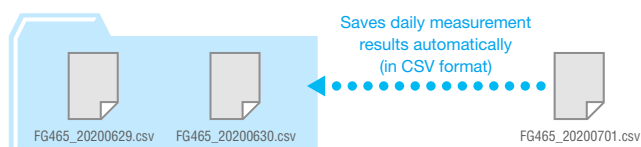
IDs can be input by entering numeric values, reading barcode or IC card.

Personal information can be registered in ID and operator IDs can be recorded as a part of measurement information.



Improved traceability

The measurement information can be automatically saved as a digital data in a specified folder. The information consists of measurement date, time, operator ID, and result of each foot to improve traceability.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Date	Time	ID	Name	Comprehe	Left foot (Left foot (Right foot	Right foot	Wrist strap	Conductiv	Lower eva	Upper eva	Evaluation	Evaluation	FG-470
2	2020/7/1	8:47	400	Smith	PASS	10M-100M	PASS	1M-10M	PASS	----	OFF	0.1M	100M	PASS	PASS	YES
3	2020/7/1	8:47	100	Jonson	PASS	10M-100M	PASS	10M-100M	PASS	----	OFF	0.1M	100M	PASS	PASS	YES
4	2020/7/1	8:47	192	Williams	PASS	10M-100M	PASS	10M-100M	PASS	----	OFF	0.1M	100M	PASS	PASS	YES
5	2020/7/1	8:48	202	Jones	FAIL	10M-100M	PASS	100M-100	PASS	----	OFF	0.1M	100M	PASS	PASS	YES
6	2020/7/1	8:49	410	Brown	FAIL	100M-100	FAIL	1M-10M	PASS	----	OFF	0.1M	100M	PASS	PASS	YES
7	2020/7/1	8:49	301	Davis	PASS	10M-100M	PASS	0.1M-1M	PASS	----	OFF	0.1M	100M	PASS	PASS	YES
8	2020/7/1	8:49	937	Miller	PASS	10M-100M	PASS									
	2020/7/1	8:57	420	Wilson	PASS											

Works as a combo tester

FG-465 can work as a combo tester with FG-470, a wrist strap tester, that makes it possible to conduct measurement, evaluation and recording of both footwear and wrist strap at once.

* Connecting cable (B5264) or Unit integration base (B5263), sold separately, is required.

