



# HIOKI

## Phase Detector 3129-10 & 3129

Field Measuring Instruments



**3129-10:**  
**CAT IV 600V**  
**CAT III 1000V**

# Non-Metallic Clips Ensure Absolute Safety



**No Metal  
Exposure**



**Save Time**

**Increase Productivity**



**Measure wires up to  
40mm in diameter**



**3129-10 Clip  
ACTUAL SIZE**



ISO 9001  
JMI-0216



ISO 14001  
JQA-E-90091



<http://www.hioki.co.jp/>

HIOKI company overview, new products, environmental considerations and other information are available on our website.



# The Best Features - Only from HIOKI

## Safest in Its Class

**CAT IV 600V**  
**CAT III 1000V**

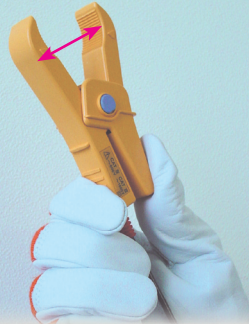


**3129-10:** CAT IV 600V/CAT III 1000V  
Anticipated Transient Overvoltage of 8000V

**3129:** CAT III 600V  
Anticipated Transient Overvoltage of 6000V

## Extra-large Clips

**Wide AC70V to 1000V  
Range**

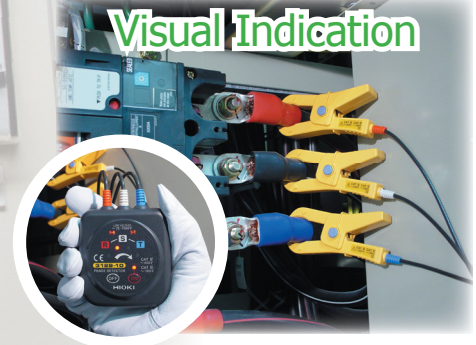


**Clamp thick conductors from  
10mm to 40mm**

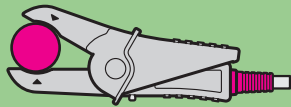
Conveniently caters to virtually all wiring environments

## Quick and Easy

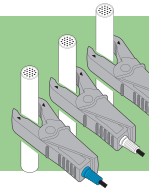
**Testing with  
Clear Audio and  
Visual Indication**



Based on the electrostatic induction theory, the 3129 series Phase Detectors can safely and accurately detect phase rotation in three-phase circuits. Correct rotation is indicated by a crystal clear beeping tune, while bright red LEDs show rotation direction.



Thick wires can be clamped easily between the ▼ marks for proper detection.



Proper electrical testing requires that all three phases be clamped.

## Specifications

	3129-10 for Thick Conductors	3129 for Thin Conductors
<b>Functions</b>	Phase detection (positive and negative)	
<b>Voltage Detection Method</b>	Electrostatic induction method	
<b>Clamp Diameter (insulated wiring)</b>	10 to 40mm	2.4 to 17mm
<b>Voltage Range</b>	3-phase 70 to 1000V AC (continuous sine wave)	3-phase 70 to 600V AC (continuous sine wave)
<b>Frequency Range</b>	45Hz to 66Hz	
<b>Safety</b>	CATIII 1000V, CAT IV 600V (Anticipated Transient Overvoltage of 8000V)	CAT III 600V (Anticipated Transient Overvoltage of 6000V)
<b>Phase Indication</b>	Positive: 4 LEDs lit in clockwise order and 3 short beeps Negative: 4 LEDs lit in counterclockwise order and one continuous beep	
<b>Battery Check Function</b>	Ready: ON lamp lights / Battery low: ON lamp blinks	
<b>Power Supply</b>	Two "AA" (R6P) size batteries; rated voltage: 3.0V DC; maximum rated power: 300mVA; continuous use: approx. 70 hours (standby)	
<b>Dimensions</b>	70W x 75H x 30D mm (2.76"W x 2.95"H x 1.18"D); Cord length: 0.7m (25.76")	
<b>Mass (incl. batteries)</b>	240g (8.5 oz)	200g (7.1 oz)
<b>Usage Environment</b>	Indoors, altitude up to 2000m Operating temperature: 0 to 40°C (32 to 104°F), max. 80% RH (no condensation) Storage Temperature: -20 to 60°C (-4 to 140°F), max. 80% RH (no condensation)	
<b>Accessories</b>	Carrying case, wrist strap, R6P batteries x 2, spiral tube	

# HIOKI

HIOKI E. E. CORPORATION

#### HEAD OFFICE :

81 Koizumi, Ueda, Nagano, 386-1192, Japan  
TEL +81-268-28-0562 / FAX +81-268-28-0568  
E-mail: os-com@hioki.co.jp

#### HIOKI USA CORPORATION :

6 Corporate Drive, Cranbury, NJ 08512 USA  
TEL +1-609-409-9109 / FAX +1-609-409-9108  
E-mail: hioki@hiokiusa.com

#### Shanghai Representative Office :

1904 Shanghai Times Square Office  
93 Huaihai Zhong Road  
Shanghai, 200021, P.R.China  
TEL +86-21-6391-0090, 0092  
FAX +86-21-6391-0360  
E-mail: info@hioki.cn

DISTRIBUTED BY

www.SignalTestInc.com <<http://www.SignalTestInc.com>>  
1529 Santiago Ridge Way  
San Diego, CA 92154 USA  
Sales@SignalTestInc.com

**SIGNAL TEST™**  
New & Used Test Equipment