



# HIOKI

## TRANSCAT

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35 Vantage Point Drive // Rochester, NY 14624 // Call 1.800.800.5001

# 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



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

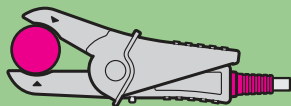
Conveniently caters to virtually all wiring  
environments

## Quick and Easy

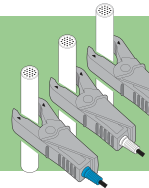
Testing with  
Clear Audio and  
Visual Indication



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
Functions	Phase detection (positive and negative)	
Voltage Detection Method	Electrostatic induction method	
Clamp Diameter (insulated wiring)	10 to 40mm	2.4 to 17mm
Voltage Range	3-phase 70 to 1000V AC (continuous sine wave)	3-phase 70 to 600V AC (continuous sine wave)
Frequency Range	45Hz to 66Hz	
Safety	CATIII 1000V, CAT IV 600V (Anticipated Transient Overvoltage of 8000V)	CAT III 600V (Anticipated Transient Overvoltage of 6000V)
Phase Indication	Positive: 4 LEDs lit in clockwise order and 3 short beeps Negative: 4 LEDs lit in counterclockwise order and one continuous beep	
Battery Check Function	Ready: ON lamp lights / Battery low: ON lamp blinks	
Power Supply	Two "AA" (R6P) size batteries; rated voltage: 3.0V DC; maximum rated power: 300mVA; continuous use: approx. 70 hours (standby)	
Dimensions	70W x 75H x 30D mm (2.76"W x 2.95"H x 1.18"D); Cord length: 0.7m (25.76")	
Mass (incl. batteries)	240g (8.5 oz)	200g (7.1 oz)
Usage Environment	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)	
Accessories	Carrying case, wrist strap, R6P batteries x 2, spiral tube	

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