

**HIOKI**

# PHASE DETECTOR 3129-10 & 3129

Field Measuring Instruments



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

## Non-Metallic Clips Ensure Absolute Safety

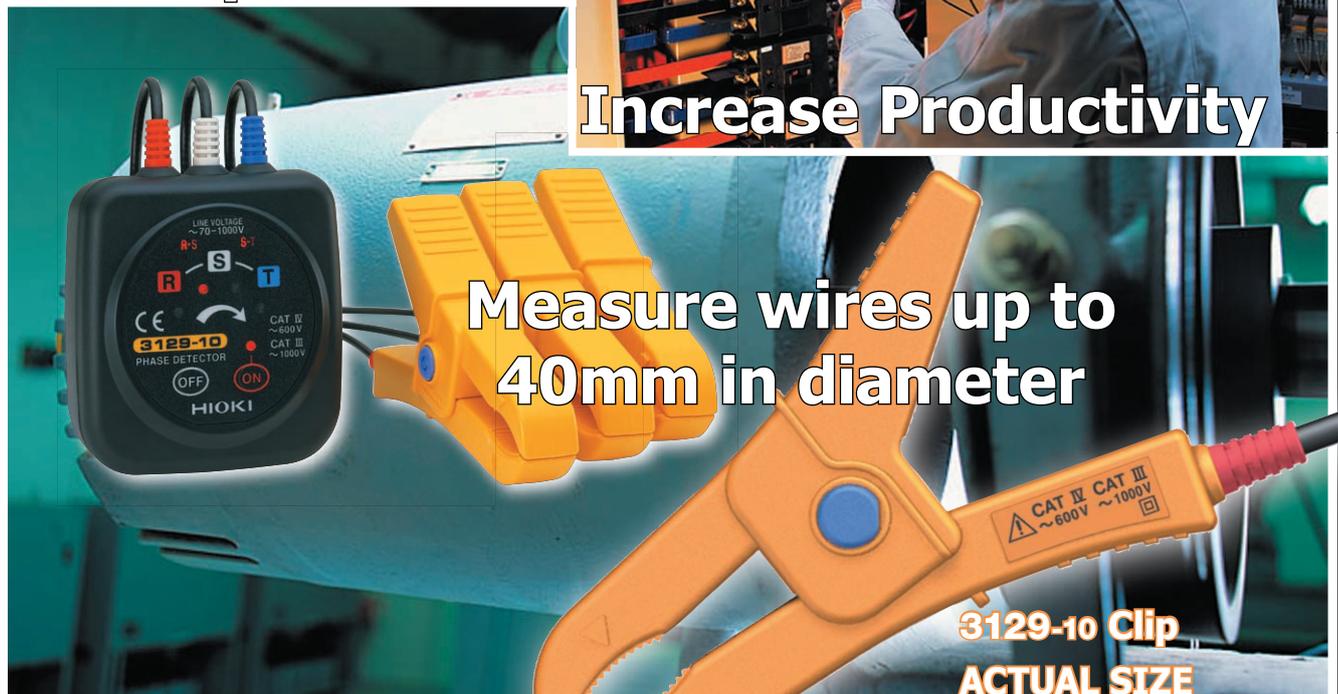


**No Metal  
Exposure**



**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



# 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

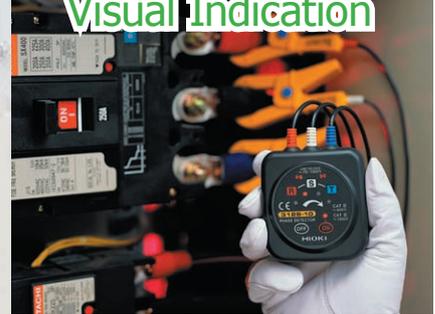


**Clamp thick conductors from 10mm to 40mm**

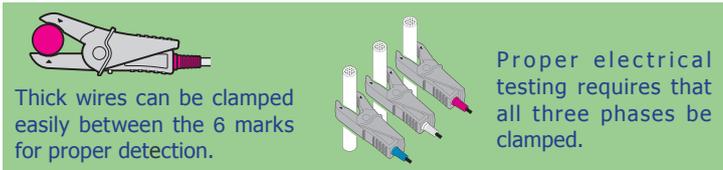
Conveniently caters to virtually all wiring environments

## 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 sequence in three-phase circuits. Correct sequence is indicated by a crystal clear beeping tune, while bright red LEDs show sequence direction.



Thick wires can be clamped easily between the 6 marks for proper detection.

Proper electrical testing requires that all three phases be clamped.

**4 magnets on the rear panel**



**Improved Efficiency!**



## 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	