



Product warranty for 3 years  
Accuracy guaranteed for 1 year

## DIGITAL PHASE DETECTOR PD3259-50



Without metal contact



Hands free Z5020 (Option)



Please see www.hioki.com for list of supported regions.

With Z3210

Model PD3259-90 includes Z3210 as a set

Order code

Order code

Order code



C0203 Color clip Z5020

Attach to enable Bluetooth® wireless technology



CAT IV 600 V

Soil, residue, or moisture on the insulated wires may result in lower voltage and power values than their true values. Use a dry cloth to remove before measuring.

Measurement parameters	Detection functions	Phase detection, open phase, prediction of ground phase (Three-phase line)
	Three-phase AC voltage (line-to-line voltage and voltage to ground)	90.0 V to 520.0 V AC (Three-phase line) accuracy: ±2.0% rdg ±8 dgt
	Frequency	45 Hz to 66 Hz Accuracy: ±0.5% rdg ±1 dgt
	Measurement targets	Covered cables, metal portions*1 Finished outer diameter 6 to 30 mm (0.24 to 1.18 in)
Other	Operating temperature	-25°C to 65°C, 80% RH or less (non-condensating)
	Storage temperature	-25°C to 65°C, 80% RH or less (non-condensating)
	Dustproof and waterproof Standards	IP54 (device body only) EN61010 (Safety), EN61326 Class A (EMC)
	Power supply Continuous operating time	LR6 alkaline battery ×4 5 hours (Without Z3210)
	Dimensions (W × H × D)	84 × 146 × 46 mm (3.31 × 5.75 × 1.81 in) Cable length 50 cm (1.64 ft)
Weight	590 g (20.8 oz)	

\*1 Shielded cables not supported

### Accessories

- CARRYING CASE C0203

### Dimensions:

- W135 mm (5.31 in) × H265 mm (10.43 in) × D65 mm (2.56 in)
- LR6 alkaline battery ×4
- Color clips (White ×2, red ×2, blue ×2, yellow ×2)
- Spiral tubes (black ×1)
- Instruction manual

### Options

- MAGNETIC STRAP Z5020



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## PHASE DETECTOR PD3129, PD3129-10



φ2.4 mm (0.09 in) to φ17 mm (0.67 in)  
PD3129: Thin Conductors

φ7 mm (0.28 in) to φ40 mm (1.57 in)  
PD3129-10: Thick Conductors



PD3129 CAT IV 600 V

PD3129-10 CAT IV 600 V, CAT III 1000 V

Measurement parameters	Detection functions	Phase detection (positive and negative)
	Voltage range	PD3129 70 to 600 V AC (continuous sine wave) PD3129-10 70 to 1000 V AC (continuous sine wave)
	Frequency range	45 Hz to 66 Hz
	Measurement targets	PD3129 2.4 mm (0.09 in) to 17 mm (0.67 in) of insulated wiring PD3129-10 7 mm (0.28 in) to 40 mm (1.57 in) of insulated wiring
Phase-detection indication	Positive	4 LEDs lit in clockwise order and the buzzer sounds intermittently, green arrow lights up
	Negative	4 LEDs lit in counterclockwise order and the buzzer sounds continuously
Other	Functions	Live line check, Battery check function
	Operating temperature	0°C to 40°C, 80% RH or less (non-condensating)
	Storage temperature	-20°C to 60°C, 80% RH or less (non-condensating)
	Standards	EN61010 (Safety), EN61326 (EMC)
	Power supply Continuous operating time	R6P manganese battery × 2 5 hours
Dimensions (W × H × D)	70 × 75 × 30 mm (2.76 × 2.95 × 1.18 in) Cable length 70 cm (2.30 ft)	
Weight	PD3129: 200 g (7.1 oz), PD3129-10: 240 g (8.5 oz)	

### Accessories

- CARRYING CASE
- Strap
- R6P manganese battery ×2
- Spiral tube
- Instruction manual

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## VOLTAGE DETECTOR 3481-20



with LED light

Red for voltage detection



CAT IV 600 V

Measurement parameters	Operating voltage range	40 to 600 V AC (50Hz/60Hz)
	Maximum sensitivity variable range	40 to 80 V AC (50Hz/60Hz)
Other	Pilot light	Red LED lights up and the buzzer sounds when the wire is live
	Operating temperature	0°C to 40°C, 80% RH or less (non-condensating)
	Storage temperature	-20°C to 60°C, 80% RH or less (non-condensating)
	Standards	EN61010 (Safety), EN61326 (EMC)
	Power supply Continuous operating time	LR44 button alkaline battery × 3 5 hours
Dimensions (W × H × D)	20 × 126 × 15 mm (0.79 × 4.96 × 0.59 in)	
Weight	30 g (1.1 oz)	

### Accessories

- LR44 button alkaline battery ×3
- Instruction manual

Order code