

## Wireless Phasing

# TAG<sup>®</sup> WIRELESS PHASER

The TAG-5000 Wireless Phaser is designed to perform many of the existing functions of conventional voltmeter/phaser devices. However, the TAG-5000 uses state-of-the-art technology to eliminate the cord and lighten the weight of this important testing device.

The TAG-5000 Phase-Free<sup>®</sup> Wireless Phaser provides a unique method of phasing across a single-phase or three-phase system to make certain that correct polarity has been established prior to “closing-in” a switch. The TAG-5000 consists of two units, a transmitter and receiver, which communicate via radio frequency signal. This eliminates the need for a connecting cord found on traditional phasing sets and makes the instrument quicker and easier to operate. Since the units communicate via radio signals, the range of operation is extended to more than 33 feet through the air, over 1,000 feet along overhead conductors and can operate through walls or partitions.

The TAG-5000 can be used for all overhead and underground phasing applications with appropriate underground probes and is ideal for use at higher voltages – up to 230kV – where safety and ease-of-use are prime considerations.

The TAG-5000 transmitter initially acts as a voltage detector when placed on a conductor to confirm the line is energized. It then transmits a signal in relation to the phase reference of that conductor. The receiver indicates by LED lights and an audible alarm signal if the conductor is in-phase with the conductor the transmitter is contacting.

## FEATURES

- No connecting cord between transmitter and receiver
- Phase through walls and metal enclosures
- Perform phasing operations
- Phase conductors on system voltages up to 230kV (phase-to-phase)
- Clear indications of in-phase/out-of-phase conditions with both audible and visual indications
- Rugged and lightweight
- All-Check™ self-test feature for verifying proper operation prior to use
- Built-in universal splines for hotstick attachment
- Both transmitter and receiver powered by 9V alkaline battery
- Includes overhead probes and foam filled carrying case



## HD ELECTRIC COMPANY

1475 LAKESIDE DRIVE • WAUKEGAN, ILLINOIS 60085 U.S.A.  
PHONE 847.473.4980 • FAX 847.473.4981 • website: [www.HDElectricCompany.com](http://www.HDElectricCompany.com)

## ACCESSORIES



CM-5000



TAG-42029

EXTENSION  
HOTSTICK

IEP-EA/C  
Insulated  
Underground  
Bushing Probe

IEP-UD/C  
Insulated  
Underground  
Bushing Probe

## SPECIFICATIONS

**Operating Voltage Range:** 4kV to 230kV (phase-to-phase)

**Power Supply:** 9V alkaline battery in both transmitter and receiver units

**Dimensions / Weight:**

Receiver – 8.5”L x 3.3”D (22cm x 8cm) / 1.2 lb (0.54kg)

Transmitter – 8.5”L x 3.3”D (22cm x 8cm) / 1.2 lb (0.54kg)

**Radio Transmission Capability:**

More than 33 feet through the air, over 1,000 feet along overhead conductors and underground cables with polyethylene insulation; range is substantially reduced in underground conductors with rubber insulation

**Operating Temperature Range:** -20°F to +120°F (-29°C to 49°C)

**Operating Frequency and Phasing:** 50/60Hz

In phase indication for phase angle shift is  $\leq 10^\circ$

No in phase indication for phase angle  $\geq 30^\circ$

**Hotstick Connection Method:** A universal spline is built into the polycarbonate housing of both the transmitter and receiver units

**Carrying Case:** Metal carrying case is included with the units

Dimensions: 15.3”L x 10.5”W x 4.8”D (39cm x 27cm x 12cm)

Weight: 7.45 lb (3.4kg)

**Probes Included:**

Overhead Hook Probe (typically for transmitter) –

5.5”L x 2.5” opening (14cm x 6cm opening)

Overhead Y Probe (typically for receiver) –

1.75”L x 1.5”W (4.4cm x 3.8cm)

## ORDERING INFORMATION

<b>TAG-5000</b>	Wireless Phaser Set 4-230 kV; Includes Transmitter and Receiver, (1) TAG-AC60, (1) TAG-42029 and CM-5000 Case
<b>TAG-5000/ KIT1</b>	Kit Includes Transmitter and Receiver, (1) TAG-AC60, (1) TAG-42029, (2) IEP-UD/C and CM-5000 Case
<b>TAG-AC60</b>	Overhead Suspension Hook Probe
<b>TAG-42029</b>	Overhead “Y” Probe
<b>CM-5000</b>	Metal Case
<b>IEP-UD/C</b>	Underground Bushing Probe, 15, 25 & 35 kV Class
<b>IEP-EA/C</b>	Underground Elbow Probe, 15, 25 & Elastimold® 35 kV Class
<b>HSA-2500</b>	Universal Hotstick Adapter (Shotgun)
<b>S-4H</b>	4’ Fixed Length Fiberglass Hotstick
<b>S-6H</b>	6’ Fixed Length Fiberglass Hotstick

Elastimold® is a Registered Trademark of Thomas & Betts Corporation, Memphis, TN

All sales are subject to the terms and conditions of the Limitation of Warranty and Liability set forth in the product Instruction Manual and at [www.HDElectricCompany.com](http://www.HDElectricCompany.com). Users must read and agree to the Limitation terms, as stated, before using the product. HD Electric Company is committed to ongoing review and improvement of its product lines, and thus reserves the right to modify product design and specifications without notice. HD Electric Company products are available through HD sales representatives worldwide. Printed in U.S.A. © HD Electric Company 2012 • Bulletin No. TAG-5000e