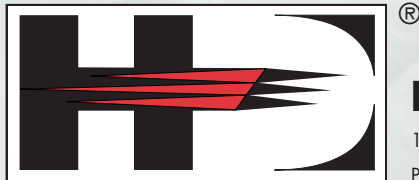


## Voltage Detectors

# TAG<sup>®</sup>

## VOLTAGE DETECTORS

The TAG-200, TAG-200MR and TAG-330 are electronic voltage detectors for detecting distribution and transmission voltages. These instruments test for the presence of voltage to help ensure the safety of line personnel. When in contact with an energized conductor, the TAG emits an audible and visual alarm to clearly warn the user if the conductor is energized. The TAGs require direct contact with the conductor to detect voltage and must be operated within their voltage range. Unlike proximity type detectors, TAG's will not give false indications due to nearby energized conductors. TAGs are factory set for voltage ranges specified by the user. Before and after each use, a built-in All-Check Self-Test System is used to verify that the instrument is operating properly.



### HD ELECTRIC COMPANY

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# TAG-200 / TAG-200MR

## TAG-200

The TAG-200 is a direct contact voltage detector for use on distribution voltages from 4kVAC to 69kVAC phase-to-phase. The range is factory set to the system voltages required by the user. TAG-200 is a single range unit that determines if a conductor is energized within its specific voltage setting.

### FEATURES

- Ranges: lowest setting 4kVAC, highest setting 69kVAC Phase-to-Phase (See Specifications regarding Operating Voltage Range)
- Easy-to-use
- Compact and lightweight
- Audible and visual alarms
- All-Check Self-Test System
- No On/Off switch - always on
- Designed for rugged field use
- Adaptable for underground applications with the optional IEP-UD/R Bushing Probe
- Universal Spline Fitting built into the Polycarbonate Housing for attachment to Extension Hotstick
- Includes rugged carrying case with optional carrying cases and bags available



TAG-200 Bottom View



TAG-200MR Bottom View

## TAG-200MR

The TAG-200MR is a direct contact type voltage detector for use on distribution voltages from 4kVAC to 69kVAC phase-to-phase. It is similar to the TAG-200, except it is a **multi-range voltage detector** having two distinct ranges. The ranges are factory set to the system voltages required by the user. It will indicate the presence of voltage and also the range of voltage on the conductor.

The TAG-200MR has two red LED's and an audible alarm to indicate the presence of voltage. If one LED comes on during contact with a conductor, the voltage present is within the lower voltage range. If two LED's come on, the voltage present is within the higher voltage range. A typical range is 4kV and 12kV-35kV. A TAG-200MR with this setting would indicate one LED at 4kV and two LED's at 12kV-35kV. The audible alarm sounds at both voltage ranges.

### FEATURES

- Ranges: two ranges from 4kVAC up to 69kVAC Phase-to-Phase (See Specifications regarding Operating Voltage Range)
- Easy-to-use
- Compact and lightweight
- Audible and visual alarms
- All-Check Self-Test System
- No On/Off switch - always on
- Designed for rugged field use
- Adaptable for underground applications with the optional IEP-UD/R Bushing Probe
- Universal Spline Fitting built into the Polycarbonate Housing for attachment to Extension Hotstick
- Includes rugged carrying case with optional carrying cases and bags available



## TAG-200 TAG-200MR SPECIFICATIONS\*

### Operating Voltage Range:

Range for TAG-200 is 4-69kVAC.  
(Note: the TAG-200 and TAG-200MR will operate as a direct contact detector within a select range of operating conditions dependent on user requirements.)

Typical ranges for TAG-200 are 4kV-15kV or 12kV-35kV.

(Note: This range can be modified to fit user requirements.)

Range for TAG-200MR is 4-69kVAC.

A typical range for TAG-200MR is 4kV/12kV-35kV.

### Power Supply:

Field replaceable 9-volt alkaline battery

**Battery Life:** Approx. 1 Year

### Operating Frequency:

60Hz (optional 50Hz available)

### Dimensions:

Length (without probe attached): 7.5 inches (19.1 cm)

### Diameter:

1.9 inches (4.9 cm)

### Weight: (without probe attached):

11 ounces (.31 kg)

### Temperature Range:

Operating:

-15F to 110F (-25C to 40C)

Storage:

-22F to 131F (-30C to 55C)

### Standard Probes

(for overhead use only):

TAG-42029, TAG-41811/B

### Carrying Case:

Rugged Plastic Case (C-200)

**Accessories:** See back page

TAG-200 with IEP-UD/R probe for use with underground and pad mounted gear



## TAG-330 SPECIFICATIONS\*

**Operating Voltage Range:**  
Range: 69-765kVAC.

**Power Supply:**  
Field replaceable 9-volt alkaline battery

**Battery Life:** Approx. 1 Year

**Operating Frequency:**  
60Hz (optional 50Hz available)

**Dimensions:**  
Length (without probe attached):  
8.3 inches (21.1 cm)

**Diameter:**  
3.2 inches (8.13 cm)

**Weight:** (without probe attached):  
1lb. 3 ounces (.59 kg)

**Temperature Range:**  
Operating:  
-15F to 110F (-25C to 40C)  
Storage:  
-22F to 131F (-30C to 55C)

**Standard Probes**  
(for overhead use only):  
TAG-AD100, TAG-AC120,  
TAG-AC60

**Carrying Case:**  
Metal Carrying Case (CM-300)

**Accessories:** See back page

## TAG-330

The TAG-330 is a direct contact type voltage detector for use on transmission voltages from 69kVAC to 765kVAC phase-to-phase. The range is factory set to the system voltages required by the user. It is a single range unit that determines if a conductor is energized within its specific voltage setting. For example, typical ranges are 69kV-230kV or 138kV-500kV. (Ranges subject to user specifications.)

## FEATURES

- Ranges:  
69 - 765kVAC Phase-to-Phase  
(See Specifications regarding Operating Voltage Range)
- Easy-to-use
- Compact and lightweight
- Audible and visual alarms
- All-Check Self-Test System
- No On/Off switch - always on
- Designed for rugged field use
- Universal Splined Fitting built into the Polycarbonate Housing for attachment to Extension Hotstick
- Includes metal carrying case



TAG-330 Bottom View



## ACCESSORIES



**C-200**  
Plastic Carrying Case for TAG-200 or TAG-200MR



PROBES included with TAG-200 and TAG-200MR



**TAG-42029 TAG-41811/B**



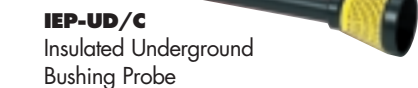
**TAG-AC60**  
Optional



**PT-DET**  
Tests TAG Voltage Detectors for proper operation



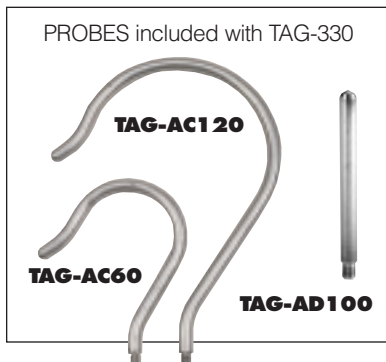
**B-2**  
Carrying Bag for TAG-200 or TAG-200MR (optional)



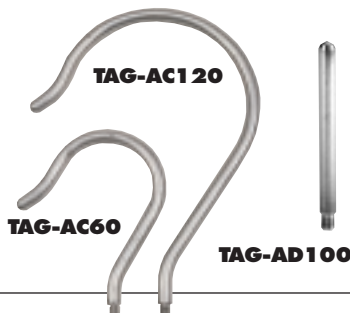
**IEP-UD/C**  
Insulated Underground Bushing Probe

HOTSTICKS for remote operation. Available in 4 or 6 foot length. Models **S-4** or **S-6**

TELESCOPIC HOTSTICKS Available (Consult Factory)



PROBES included with TAG-330



**TAG-AC120**  
**TAG-AC60**  
**TAG-AD100**

## TAG-200 & 200MR ORDERING INFORMATION

<b>TAG-200</b>	Distribution class voltage detector. 4 to 69kV system voltage range.†
<b>TAG-200/KIT</b>	Kit includes TAG-200, IEP-UD/C, overhead probes and C-200 rugged foam filled plastic carrying case.
<b>TAG-200MR</b>	Multiple range distribution class voltage detector. 4 to 69kV system voltage range.†
<b>TAG-200MR/KIT</b>	Kit includes TAG-200MR, IEP-UD/C, overhead probes and C-200 rugged foam filled plastic carrying case.
<b>TAG-42029</b>	<b>Standard</b> - Y probe, included with TAG-200/TAG-200MR
<b>TAG-41811/B</b>	<b>Standard</b> - Straight probe, included with TAG-200/TAG-200MR
<b>TAG-AC60</b>	<b>Optional</b> - Small overhead hook style probe for TAG-200/TAG-200MR
<b>C-200</b>	Carrying case - rugged, foam filled plastic carrying case for TAG-200 and TAG-200MR.
<b>IEP-UD/C</b>	<b>Optional</b> - Underground bushing probe for 15/25/35 kV class.
<b>PT-DET</b>	<b>Optional</b> - Tests TAG Voltage Detectors for proper operation. For use on TAG Voltage Detectors up to and including 69kV. Powered by field replaceable 9V alkaline battery.
<b>B-2</b>	<b>Optional</b> - Carrying bag - padded Cordura zippered carrying bag for TAG-200/TAG-200MR. Also fits IEP-UD/C probe.
<b>S-4, S-6</b>	<b>Optional</b> - Fixed length hotstick - fiberglass hotstick, foam filled, 1-1/2" OD with universal spline, hand guard and crutch tip. Specify 4' or 6' length (1.2m or 1.8m).

**CM-300**  
Metal Carrying Case for TAG-330 (standard)



## TAG-330 ORDERING INFORMATION

<b>TAG-330</b>	Transmission class voltage detector 69 to 765kV system voltage range.†
<b>TAG-AD100</b>	<b>Standard</b> - Overhead straight style probe included with TAG-330.
<b>TAG-AC120</b>	<b>Standard</b> - Large overhead hook style probe included with TAG-330.
<b>TAG-AC60</b>	<b>Standard</b> - Small overhead hook style probe included with TAG-330.
<b>CM-300</b>	<b>Standard</b> - Metal foam filled carrying case, included with TAG-330.
<b>PT-DET</b>	<b>Optional</b> - Tests TAG Voltage Detectors for proper operation. For use on TAG Voltage Detectors up to and including 69kV. Powered by field replaceable 9V alkaline battery.
<b>S-4, S-6</b>	<b>Optional</b> - Fixed length hotstick - fiberglass hotstick, foam filled, 1-1/2" OD with universal spline, hand guard and crutch tip. Specify 4' or 6' length (1.2m or 1.8m).

† **Voltage Range:** The TAG units will operate as direct contact detectors within limited ranges of operating conditions. Units are factory set to user's requirements.

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