



## ET30 Magnetic Field Detector

### Introduction

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Thank you for selecting the Triplett Model ET30 magnetic field detector. The ET30 can test solenoid valves in pneumatic/hydraulic control equipment, relays with coils, electrically controlled solenoid valves in vehicles/machinery/oil burners, and audio speaker coils. The ET30 responds to AC/DC magnetic fields and permanent magnets.

### Safety Information

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Caution! Refer to the explanation in this Manual



Double Insulation or Reinforced insulation



CE Compliance

This device must not be handled by children. It contains hazardous objects as well as small parts that can be swallowed.

Do not leave batteries and packing material unattended; they can be dangerous for children. If unused for an extended period of time, remove the batteries from this device. Expired or damaged batteries can cause cauterization on contact with the skin; use suitable hand gloves in such cases. Ensure that the batteries are not short-circuited. Do not throw batteries into the fire.

### Operating Instructions

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**CAUTION:** Read, understand and follow Safety Rules and Operating Instructions in this manual before using this product.

**WARNING:** Risk of Electrocutation. Before use, always test the Magnet Detector on a known live circuit to verify proper operation

**WARNING:** Risk of Electrocutation. Keep hands and fingers on the body of the probe and away from the probe tip.

1. Press and hold the test switch and approach the testing area slowly with the probe tip.
2. When a magnetic field is sensed by the ET30, the blue probe light will illuminate. Solid light indicates a strong field; flickering light indicates a weak field.
3. To switch ON the flashlight, press and hold the flashlight switch. Release the button to switch the flashlight OFF. If the flashlight does not switch ON please check the batteries. The battery compartment is located on the rear of the ET30.

**NOTE:** The detector is designed with high sensitivity. Static electricity, stray magnetic fields, or other sources of energy may randomly trip the sensor. This is normal operation. Strong fields will yield a fixed indication.

**NOTE:** It is not necessary to unscrew the test object from its mounting on the equipment in order to carry out a test; a magnetic coil can even be tested through its protective covering.

## **Battery Installation**

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5. Slide open the battery door compartment while gently prying up/out at the pocket clip using a small screwdriver in the pocket clip access hole.
6. Insert two AAA batteries and replace the door.



You, as the end user, are legally bound (**EU Battery ordinance**) to return all used batteries and accumulators to wherever batteries / accumulators are sold!

**Disposal:** Follow the valid legal stipulations with respect to the disposal of the device at the end of its lifecycle.

## **Specifications**

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<b>Power</b>	2 x AAA 1.5V batteries
<b>Magnetic Field ranges</b>	63, 98, 401, 810 (Henry units)
<b>Power Consumption</b>	32mA maximum
<b>Operating/Storage Temperature</b>	-10 to 50°C (14 to 122°F)
<b>Relative Humidity</b>	95% max. from 0 to 40°C (32 to 104°F)
<b>Altitude</b>	3000m (9842 ft.)
<b>Pollution Degree</b>	II
<b>Dimensions</b>	159 x 21 x 25mm (6.25 x 0.8 x 1")
<b>Weight</b>	48g (1.7 oz.)

## **Warranty Information**

Triplett / Jewell Instruments extends the following warranty to the original purchaser of these goods for use. Triplett warrants to the original purchaser for use that the products sold by it will be free from defects in workmanship and material for a period of (1) one year from the date of purchase. This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way or purchased from unauthorized distributors so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or which have had the serial numbers altered, defaced, or removed. Accessories, including batteries are not covered by this warranty

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