



CTRL UL101 ELECTRICAL INSPECTOR

*Detect corona discharge.
Inspect electrical panels safely.*



Safe

The CTRL Electrical Inspector allows inspection of dangerous electrical equipment from a safe distance without the need to remove electrical panels.

Early Detection

The CTRL Electrical Inspector allows for early detection of corona discharge, tracking, arcing, and partial discharge.

Panel and Substation Inspection

Use the airborne attachments to safely inspect sealed electrical panels and substations with the CTRL Electrical Inspector and save time and money on transmission and distribution loss.

APPLICATIONS

corona discharge | electrical panels | electrical tracking
| transformers | **partial discharge** | electrical arcing |
substations

ELECTRICAL INSPECTION

The **CTRL UL101 Electrical Inspector** includes the UL101, PowerBeam 300, and additional accessories to allow for a full inspection of electrical equipment. The inclusion of the concentrator set and polycarbonate extension probe makes the inspection of dangerous electrical panels possible and safe.

FEATURES

- Identify arcing and corona discharge with airborne detection attachments
- Inspections performed at a safe distance
- Ability to inspect sealed panels
- Lightweight, accurate, easy to use
- Range of detection up to 300 feet



UL101 Electrical Inspector Specifications

PowerBeam 300 Dimensions Dish Diameter	21" x 17" x 1.26" (533 x 432 x 32 mm) 13" (330 mm)
PowerBeam 300 Weight	45 oz (1.3 kg)
PowerBeam 300 Power Supply	Two (2) Standard AAA Alkaline Batteries (for laser)
Battery Life	> 20 hours
PowerBeam 300 Warranty	1 Year Parts & Labor
Receiver Dimensions	8.75" x 1.26" x 1.26" (222 x 32 x 32 mm)
Receiver Weight	11.6 oz (330 g)
Housing	Extruded Aluminum, wall thickness .09" (2.3 mm)
Receiver Power Supply	9-Volt Alkaline (> 45 continuous hours use)
Kit Shipping Dimensions	21" x 18" x 7" (53 x 18 x 46 cm)
Kit Shipping Weight	14 lbs (6 kg)
Distance of Reception	Up to 300 feet (90 m)
Sensitivity Threshold	Minimum Intensity: 10^{-12} W/m ² (0 dB SPL) Minimum Ultrasonic Pressure: 2.0×10^{-5} PA @ 40 kHz
Frequency Bandwidth	1.8 - 2.2 kHz @ level 0.7 (or -3 dB SPL)
Working Resonance Frequency	40 kHz +/- 1.5 kHz
Operating Temperature Range	-4° to +130° F (-20° to +54° C)
Headset	Industrial Grade/600-Ohm Impedance 21-24 dB External Noise Attenuation Over or Behind-the-Head (for use with hardhat)
Warranty	5-year parts & labor on all manufacturer's defects. No calibration required. Requalification of performance (once per year)

CTRL UL101 Receiver

and attachments

Not pictured: Carrying Case, Operator's Manual, Training CD

