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**Engineering Specification
INDUCTIVE LOOP FINDER
MODEL LF 22**

1. The Loop Finder shall detect the presence and measure the relative strength of electromagnetic fields, particularly the type generated by highway vehicle sensing inductive loops.
2. The Loop Finder ("Unit") shall be lightweight, portable, and battery-operated, using commonly available 9V alkaline batteries.
 - 2.1. The Unit shall provide a power-on indicator.
 - 2.2. The Unit shall have four sensitivity settings, selectable by slide switches.
 - 2.3. The Unit shall include a visual "fuel gauge" style signal strength indicator.
 - 2.4. The Unit shall be housed in a handheld enclosure, suitable for field use.
 - 2.5. The Unit shall include a bracket, which may be used to fabricate a handle.
 - 2.6. The Unit shall weigh less than 1 lb.
3. The Unit shall be easy to setup and use by the inexperienced user.
 - 3.1. The Unit shall include basic instructions printed on the front panel.
 - 3.2. The Unit shall include an Operating Guide.
 - 3.3. The manufacturer shall provide telephone technical support during normal business hours.
4. The Unit shall include a 12-month Warranty.
5. Warranty coverage shall include repair parts (except 9V battery), labor, and shipping from repair facility to the customer only.