



# 810 Fiber Optic Inspection Tool

## 810 APPLICATIONS

### HVAC

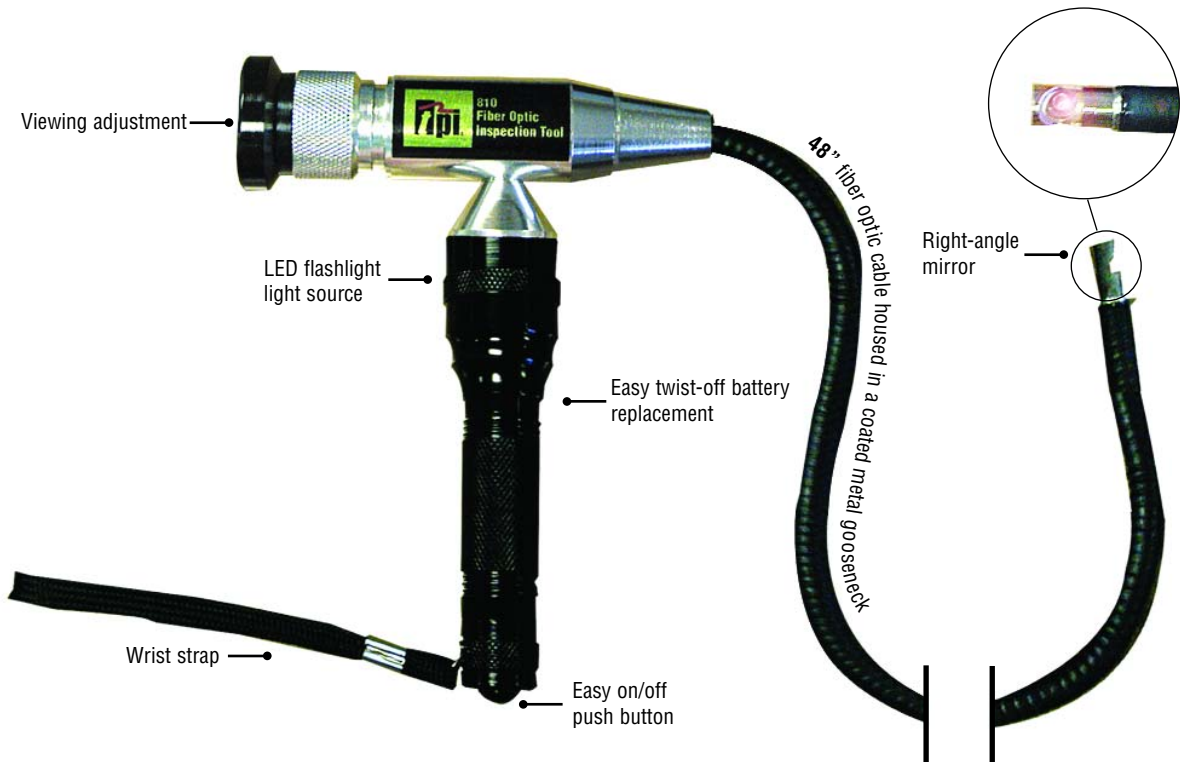
- Perform non-destructive inspections of heat exchangers
- Examine heating and cooling ductwork integrity
- Check for blocked evaporator coils in air conditioning equipment
- Inspect boilers without costly disassembly
- Look inside oil burning furnaces for igniter components
- Use to show customers visual evidence of a cracked heat exchanger

### INDUSTRIAL

- Inspect the integrity of weld in pipes and tanks
- Examine gear and bearing surfaces without equipment disassembly
- Perform motor inspection and diagnostics

### HOME INSPECTION

- Check the quality of pipes and ducts
- Inspect wire integrity and placement
- Look inside walls and crawl spaces
- View insulation in walls or attics

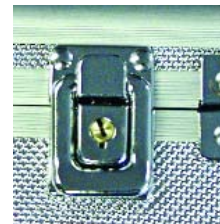


## FEATURES

- Hi-resolution 8,000 pixel image offers enhanced vision and clarity
- Obedient wand maintains position after adjustment and protects fiber optic bundle
- Sealed tip for use in for noncorrosive liquids
- Optional LED light source to detect UV dye
- Machined aluminum housing is rugged and durable
- Super bright LED flashlight light source provides longer battery life with no bulb replacement necessary
- Coated flexible fiber optic cable for accessibility to tight areas with bends and curves
- 45° Glass inspection mirror for side viewing
- One-hand focus adjustment
- Compact aluminum carrying case with locking latches
- One year limited warranty

## HEAVY DUTY CARRYING CASE

Easy handling and storage for the 810 Fiber optic inspection tool



## LOCKING HINGES

Help prevent theft and keep the 810 secure inside the case

## REMOVEABLE RIGHT ANGLE MIRROR

Perform inspections in hard-to-reach areas where side vision is needed



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# Specifications

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## Technical Specifications

|                        |                             |                              |
|------------------------|-----------------------------|------------------------------|
| Optical system         | Pixels                      | 8,000                        |
|                        | Field of view               | 45°                          |
|                        | Depth of observation        | 1 in to 6 in (25mm to 150mm) |
| Minimum focus distance | 1" (25mm)                   |                              |
| Maximum bend radius    | 4" (100mm)                  |                              |
| Tip diameter           | .26 in (6.6mm)              |                              |
| Shaft diameter         | .39 in (1.0mm)              |                              |
| Working length         | 48 in (1,220mm)             |                              |
| Overall length         | 52 in (1,320mm)             |                              |
| Net weight             | .79 lb (360g)               |                              |
| Operating temperature  | 50°F to 140°F (10° to 60°C) |                              |

|               |                                          |
|---------------|------------------------------------------|
| Carrying case | 13 x 10 x 2.75 in (330mm x 250mm x 70mm) |
|---------------|------------------------------------------|

## Side Viewing Adapter

|                      |                              |
|----------------------|------------------------------|
| Viewing angle        | 90°                          |
| Field of view        | 45°                          |
| Depth of observation | 1 in to 6 in (25mm to 150mm) |
| Tip diameter         | .35 in (9mm)                 |

## Standard Accessories

|      |                                                |
|------|------------------------------------------------|
| A801 | Heavy duty carrying case for the 810           |
| A811 | 45° side view mirror                           |
| A002 | 1.5V battery (2)                               |
| A013 | keys for A801 heavy duty carrying case         |
| A812 | flashlight for 810 fiber optic inspection tool |

## Optional Accessories

|      |                                |
|------|--------------------------------|
| A813 | blue LED flashlight for UV dye |
| A814 | magnet for 810                 |

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