



# 810 Fiber Optic Inspection Tool

## 810 APPLICATIONS

### HVAC

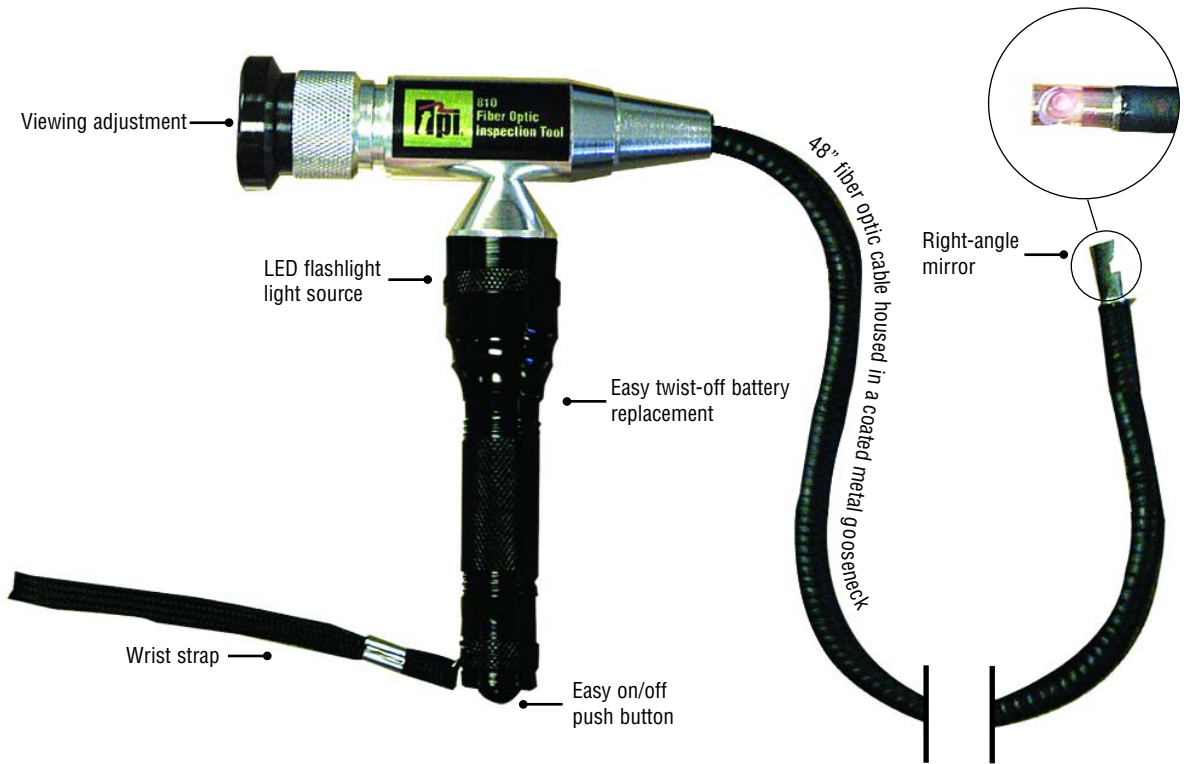
Perform non-destructive inspections of heat exchangers  
 Examine heating and cooling ductwork integrity  
 Check for blocked evaporator coils in air conditioning equipment  
 Inspect boilers without costly disassembly  
 Look inside oil burning furnaces for igniter components  
 Use to show customers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

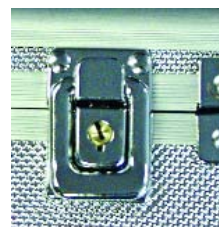


## FEATURES

- Machined aluminum housing is easy to hold and durable
- Coated flexible fiber optic cable for accessibility to tight areas with bends and curves
- Fiber optic cable maintains position after adjustment and protects fiber optic bundle
- Hi-resolution 8,000 pixel image offers enhanced vision and clarity
- One-hand focus adjustment
- 45° Glass inspection mirror for side viewing
- Super bright LED flashlight light source lowers heat build up during operation while providing longer battery life with no bulb replacement necessary
- 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



The Value Leader™



# Specifications

TPI offers a complete line of...

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Accessories & Kits

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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)
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## 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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