



TIFZX-1

Heated Pentode® Refrigerant Detector



Design Certified by MET
Laboratories, Inc. to meet
SAE J1627 for R134a,
R12 and R22



US Patent:
D458,854
6,644,098
and others pending

TIF is proud to announce the introduction of its heated pentode™ refrigerant leak detector.

Utilizing revolutionary technology, the **TIFZX-1** has overcome previous disadvantages of this sensor type, to bring you not only the most sensitive, but the most advanced completely digital hand-held leak detector available today. The **TIFZX-1** eliminates false alarms from moisture, cleaners, solvents, etc...and allows the technician to home-in on even the feedback.

High-tech, high-performance, in a sleek design.

FEATURES

- Heated Pentode® sensor technology
- Refrigerant specific detection
- Detects ALL halogenated refrigerants at levels below 0.1 oz/yr.
- Tri-color visual leak size indicator
- Tactile keypad controls with one touch reset and adjustable sensitivity
- True mechanical pump provides instant response and clearing
- Battery test function
- Sensor failure indication
- Rechargeable batteries
- Revolutionary design
- Meets SAE J1627
- Made in USA
- **25 YEAR WARRANTY**



Engineered
for Success



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TIF ZX-1 HEATED PENTODE® REFRIGERANT DETECTOR

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Replacement Parts & Accessories

TIF ZX-2	Replacement Heated Pentode® Sensor
TIF ZX-3	110V-60Hz Battery Charger (North and South America)
TIFZX-3A	230V-50Hz Battery Charger (Australia)
TIFZX-3E	230V-50Hz Battery Charger (Europe, Asia)
TIF ZX-3J	100V, 50/60Hz Battery Charger (Japan only)
TIF ZX-5	Ballistic Nylon Carrying Case
TIF ZX-6	Remote Battery Charging Base, 110V-60Hz (Optional)
TIF ZX-6E	Remote Battery Charging Base, 230V-50Hz (Optional)
TIF ZX-6J	Remote Battery Charging Base, 100V-50/60Hz (Optional)
TIF ZX-7	Nickel-Metal Hydride (NiMH) Battery Pack
TIFZX-10	Flexible probe (includes Probe Tip)
TIFZX-11	12 VDC Battery Charger
TIFZX-12	Hard Carrying Case
TIF ZX-14	Filter and O-ring
TIFZX-15	New Filter Elements (5 pack)

Technical Data

Sensor Technology:	Heated Pentode® (advance heated diode)
Electronic Technology:	Microprocessor controlled circuit including constant battery and sensor condition detector.
Sensitivity:	Per SAE J1627 Criteria: 0.5 oz/yr (14 gr/yr) for R134a, R22 and R12
Ultimate Sensitivity:	Less than 0.1 oz/yr (3gr/yr) R134a, in high sensitivity; as low as 0.05 oz/yr R12 in low sensitivity.
Warm-up period:	20 seconds
Excessive refrigerant tolerance:	Sensor cannot be poisoned by excessive refrigerant
Battery life:	Optional Ni-MH battery pack - 5 to 6 hours, depending on sensor age Integral constant power indication.
Battery technology:	NiMH
Battery recharge time:	2 hours, integral charge status indicator.
Failed sensor indication	All LEDs flash red, pump off
Sensor life:	100 to 150 hours
Operating environment:	0°C to 50°C (32°F to 122°F), 0 to 95% RH non-condensing
Dimensions:	26cm L x 6.5 cm Dia. (10.25" L x 2.5" Dia.)
Weight:	Approximately 452 grams (16 ounces)

SPX

Miramar, Florida

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www.TIF.com