TIFZX-1

Heated Pentode®
Refrigerant Detector

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

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

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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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	Fiter and O-ring
TIFZX-15	New Filter Elements (5 pack)

Technnical 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 sensivity.
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 (32ºF to 122ºF), 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)

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