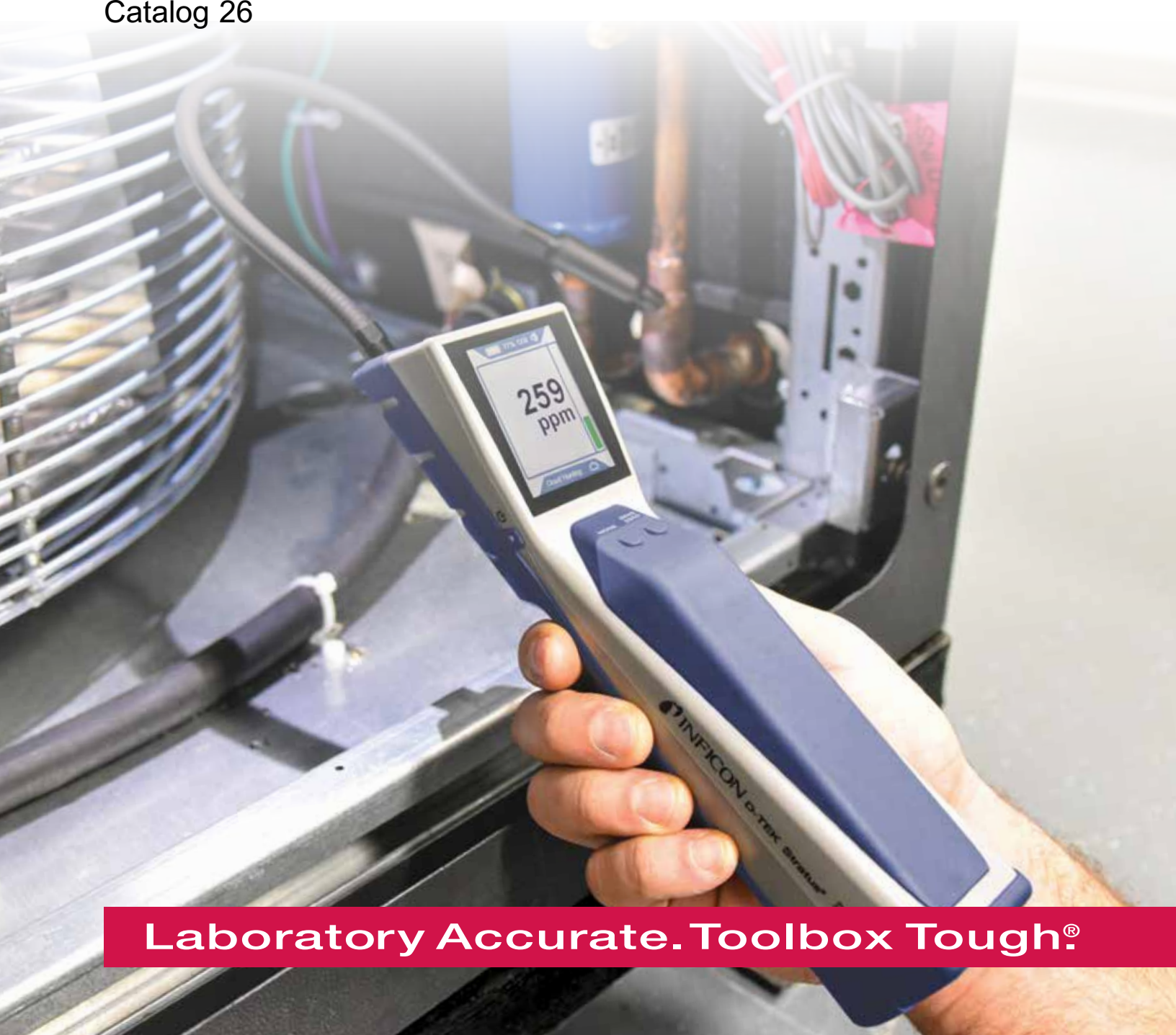


# Service Tools for HVAC/R

Catalog 26



**Laboratory Accurate. Toolbox Tough.®**



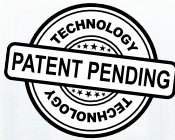
# D-TEK Stratus<sup>®</sup>

## REFRIGERANT LEAK DETECTOR AND PORTABLE MONITOR

**Find profit-crushing leaks in no time.**

D-TEK Stratus combines the excellent leak detection of D-TEK Select and the cloud hunting capability of a large portable monitor all in one hand-held unit. Quickly locate the area containing the leak using the large, easy-to-read LCD display, and then pinpoint the leak with one instrument! D-TEK Stratus is the next big thing in refrigerant leak detection.

Leak Detector Selection Guide on page 21



SAE J2791  
SAE J2913



**WATCH OUR  
VIDEO!**



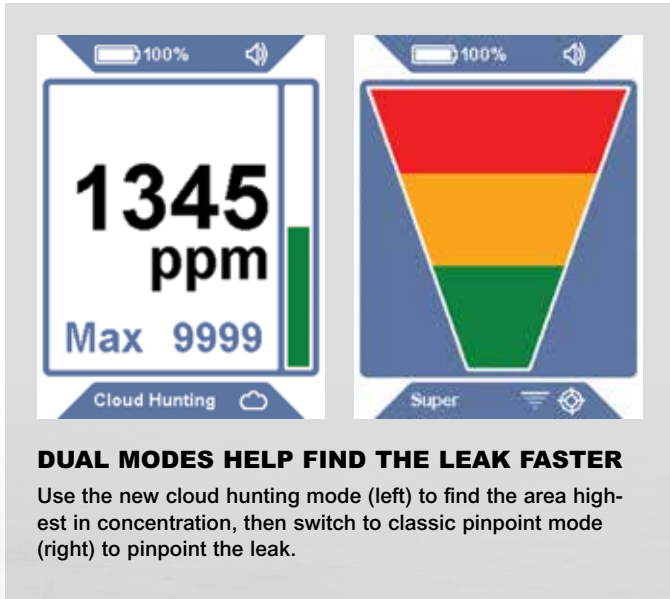
### ADVANTAGES

- Sensitivity of 0.03 oz./year (1 g/year)
- Innovative Cloud Hunting mode with ppm helps locate leaks faster than ever
- Cloud Hunting and Pinpoint modes is like having two leak detectors in one
- Detects CFCs, HCFCs, HFCs, HFOs, blends (including A2Ls), and CO<sub>2</sub>\*
- All new, redesigned infrared sensor
  - Longest sensor life in the industry
  - Easy field replacement
- New lithium ion battery
  - Quick charge capability
  - Easy field replacement
- Automatic and manual zero modes
- Sensitivity will not degrade over time
- Rugged carrying case included

\* Requires optional CO<sub>2</sub> sensor







SPECIFICATIONS	
Includes	D-TEK Stratus Infrared sensor Lithium ion battery Spare filters AC wall charger DC car charger Extra-long probe Carrying case Earbuds
Compatible refrigerants	R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf, CO <sub>2</sub> (requires CO <sub>2</sub> sensor) ammonia, SF <sub>6</sub> , and more
Minimum sensitivity	0.03 oz./yr. (1 g/yr.)
Sensitivity per EN14624	1g/yr.
Sensitivity for R744 (CO <sub>2</sub> )	0.07 oz./yr. (2 g/yr.) (requires CO <sub>2</sub> sensor)
Power source	Lithium ion battery (rechargeable) USB (can operate while charging)
Battery life	~8 hours (cloud hunting mode) ~10 hours (pinpoint mode)
Weight	1.10 lb (500g)
Certifications	CE SAEJ2791 SAEJ2913 EN14624:2012 A2L certified
Patents (Pending)	Application #10 2018 206 877.1 Application #18171080.7 Application #10 2018 208 826.8
Probe length(standard probe)	~17 in. (43 cm)
Warranty	Two-year over-the-counter

ORDERING INFORMATION	
D-TEK Stratus (includes refrigerant sensor only)	724-202-G1
D-TEK Stratus (includes CO <sub>2</sub> sensor only)	724-204-G1
Accessories and Replacement Parts	
Earbuds	721-607-G1
TEK-Check R134a reference leak	703-080-G10
Wall charger (US and international)	721-606-G1
12 V (dc) car charger	721-605-G1
Lithium ion battery	721-702-G1
Battery charging cradle	721-610-G1
Battery/cradle combo	721-604-G1
Extra-long probe	721-611-G1
Needle probe extension	721-612-G1
Refrigerant sensor (Detects CFCs, HFCFs, HFCs, and HFOs)	724-701-G1
CO <sub>2</sub> sensor	724-701-G2
Filter cap	712-705-G1
Filter cartridges	712-707-G1
Carrying case	724-700-G1



# D-TEK<sup>®</sup> 3

## REFRIGERANT LEAK DETECTOR

### Stop leaking profits.

D-TEK 3 builds on the proven performance of D-TEK leak detectors with added features to help you get your job done faster. An easy-to-change sensor, quick charge lithium ion battery, and a new ergonomic design make D-TEK 3 a versatile tool for everyday RAC maintenance and repair. Plus, a new optional CO<sub>2</sub> sensor gives you two instruments in one. Upgrade your toolbox with this accurate and reliable leak detector.

Leak Detector Selection Guide on page 21



SAE J2791  
SAE J2913



### ADVANTAGES

- Sensitivity of 0.03 oz./year (1 g/year)
- Detects CFCs, HCFCs, HFCs, HFOs, blends (including A2Ls), and CO<sub>2</sub>\*
- All new, redesigned infrared sensor
  - Longest sensor life in the industry
  - Easy field replacement
- New lithium ion battery
  - Quick charge capability
  - Easy field replacement
- Automatic and manual zero modes
- Sensitivity will not degrade over time
- Rugged carrying case included

\* Requires optional CO<sub>2</sub> sensor







**SPECIFICATIONS**

Includes	D-TEK 3 Infrared sensor Lithium ion battery Spare filters AC wall charger Carrying case
Compatible refrigerants	R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf, CO <sub>2</sub> (requires CO <sub>2</sub> sensor), ammonia, SF6, and more
Minimum sensitivity	0.03 oz./yr. (1 g/yr.)
Sensitivity per EN14624	1 g/yr.
Sensitivity for R744 (CO <sub>2</sub> )	0.07 oz./yr. (2 g/yr.) (requires CO <sub>2</sub> sensor)
Power source	Lithium ion battery (rechargeable) Micro USB (can operate while charging)
Battery life	~10 hours
Weight	0.97 lb. (440g)
Certifications	CE SAEJ2791 SAEJ2913 EN14624:2012 A2L certified
Patents (pending)	Application #10 2018 208 826.8
Probe length	~17 in. (43 cm)
Warranty	Two-year over-the-counter

**ORDERING INFORMATION**

D-TEK 3 (includes refrigerant sensor only)	721-202-G1
D-TEK 3 (includes CO <sub>2</sub> sensor only)	721-204-G1
<b>Accessories and Replacement Parts</b>	
Earbuds	721-607-G1
TEK-Check R134a reference leak	703-080-G10
Wall charger (US and international)	721-606-G1
12 V (dc) car charger	721-605-G1
Lithium ion battery	721-702-G1
Battery charging cradle	721-610-G1
Battery/cradle combo	721-604-G1
Extra-long probe (~27 in. (69cm))	721-611-G1
Needle probe extension (coming soon)	721-612-G1
Refrigerant sensor (Detects CFCs, HFCs, HFCs, and HFOs)	724-701-G1
CO <sub>2</sub> sensor	724-701-G2
Filter cap	712-705-G1
Filter cartridges	712-707-G1
Carrying case	721-700-G1



# D-TEK<sup>®</sup> Select

## REFRIGERANT LEAK DETECTOR

**Infrared technology for superior sensitivity and long life.**

D-TEK Select has been a leader in the HVAC/R service field for over a decade. Superior sensitivity, accuracy, and reliability help you find even the smallest leaks fast. A rechargeable battery, field-replaceable infrared sensor, and high performance filter make D-TEK Select a must in any technician's toolbox.

**Leak Detector Selection Guide on page 21**



### SPECIFICATIONS

Includes	D-TEK Select Infrared sensor Rechargeable NiMH battery Spare filters AC wall charger DC car charger Carrying case
Compatible refrigerants	R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf, ammonia, SF6, and more
Minimum sensitivity	0.10 oz./yr. (3 g/yr.)
Sensitivity per EN14624	1 g/yr.
Power source	NiMH battery (rechargeable) Can operate while charging
Battery life	6.5 hours
Weight	1.09 lb. (490 g)
Certifications	CE SAEJ2791 SAEJ2913 EN14624:2012 A2L certified
Probe length	15 in. (38 cm)
Warranty	Two-year over-the-counter

### ORDERING INFORMATION

D-TEK Select (115 V) 712-202-G1

### Accessories and Replacement Parts

Headphones	032-0430
Premium headphones	032-0427
TEK-Check R134a	703-080-G10 reference leak
115 V (ac) wall charger	033-0019-G1
12 V (dc) car charger	703-055-P1
Replacement NiMH battery	712-700-G1
Replacement sensor	712-701-G1
Filter cap	712-705-G1
Filter cartridges	712-707-G1
Carrying case	712-702-G1

### ADVANTAGES

- Sensitivity of 0.10 oz./year (3 g/year)
- Detects all CFCs, HCFCs, HFCs, and HFOs
- Field-replaceable infrared sensor lasts for 1,000 hours
- High performance filter prevents sensor contamination
- Automatic and manual zero modes
- Sensitivity will not degrade over time
- Rechargeable NiMH battery
- Rugged carrying case included





# Compass<sup>®</sup>

## REFRIGERANT LEAK DETECTOR

### Locate the leak with proven sensor technology.

Compass takes the proven heated diode sensor of TEK-Mate and adds premium features like a rubber hand grip and rechargeable battery. Get improved sensitivity from the probe tip-mounted sensor. Compass can even be operated while charging with the included car and wall chargers.

Leak Detector Selection Guide on page 21



### ADVANTAGES

- Sensitivity of 0.15 oz./year (4 g/year)
- Detects all CFCs, HCFCs, HFCs, and HFOs
- Proven heated diode sensor for reliable leak checking
- No false alarms from soap solutions
- Runs on rechargeable battery or AC adapter
- Advanced filter keeps out water, dirt, and oil
- Rugged carrying case included

### SPECIFICATIONS

Includes	Compass Heated diode sensor NiMH rechargeable battery Spare filters AC wall charger DC car charger Carrying case
Compatible refrigerants	R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf and more
Minimum sensitivity	0.15 oz./yr. (4 g/a)
Power source	NiMH battery (rechargeable) Wall/car charger (can operate while charging)
Battery life	5.5 hours
Weight	1.15 lb. (522 g)
Certifications	CE
Probe length	15 in. (38 cm)
Warranty	Two-year over-the-counter

### ORDERING INFORMATION

Compass (115 V)	717-202-G1
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### Accessories and Replacement Parts

Headphones	032-0430
Premium headphones	032-0427
TEK-Check R134a reference leak	703-080-G10
115 V (ac) wall charger	033-0019-G1
12 V (dc) car charger	703-055-P1
NiMH battery	712-700-G1
Sensor	703-020-G1
Filters	717-701-G1
Carrying case	717-700-G1



# TEK-Mate®

## REFRIGERANT LEAK DETECTOR

### Find leaks fast.

Affordable price, simple operation, and reliable performance make TEK-Mate the refrigerant leak detector of choice for thousands of technicians. See for yourself why TEK-Mate is the #1 selling refrigerant leak detector in the HVAC/R market.

Leak Detector Selection Guide on page 21



SAE J1627



### ADVANTAGES

- Sensitivity of 0.25 oz./year (7 g/year)
- Detects all CFCs, HCFCs, HFCs, and HFOs
- Proven heated diode sensor for reliable leak checking
- No false alarms from soap solutions
- Runs on two D-cell batteries
- Rugged carrying case included

### SPECIFICATIONS

Includes	TEK-Mate Heated diode sensor Two D-size alkaline batteries Spare filters Carrying case
Compatible refrigerants	R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf and more
Minimum sensitivity	0.25 oz./yr. (7 g/yr.)
Sensitivity per EN14624	2 g/yr.
Power source	Two D-size alkaline batteries
Battery life	16 hours
Weight	1.54 lb. (700 g)
Certifications	CE SAEJ1627 EN14624:2012 A2L certified
Probe length	15 in. (38 cm)
Warranty	Two-year over-the-counter

### ORDERING INFORMATION

TEK-Mate	705-202-G1
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### Accessories and Replacement Parts

TEK-Check R134a reference leak	703-080-G10
Sensor	703-020-G1
Filters	705-600-G1
Carrying case	705-700-G1



# D-TEK<sup>®</sup> CO<sub>2</sub>

## REFRIGERANT LEAK DETECTOR

### Reliable and accurate leak detection for carbon dioxide.

Many next generation refrigeration systems use carbon dioxide (R744) as a refrigerant due to its low impact on the environment. Standard leak detectors will not detect CO<sub>2</sub> leaks, but D-TEK CO<sub>2</sub> does. Designed specifically for CO<sub>2</sub> refrigeration and AC applications, D-TEK CO<sub>2</sub> will help you find leaks quickly and reliably on next generation systems.

**Leak Detector Selection Guide on page 21**



### ADVANTAGES

- Sensitivity of 0.18 oz./year (5 g/year) for R744 (CO<sub>2</sub>)
- Field replaceable infrared sensor delivers 1,000 hour sensor life
- Sensitivity will not degrade over time
- Automatic and manual zero modes
- Manual zero mode helps reduce false alarms from high CO<sub>2</sub> background levels
- Runs on rechargeable battery or AC adapter
- Rugged carrying case included

### SPECIFICATIONS

Includes	D-TEK CO <sub>2</sub> with CO <sub>2</sub> specific infrared sensor NiMH rechargeable battery Spare filters AC wall charger DC car charger Carrying case
Compatible refrigerants	CO <sub>2</sub> (R744)
Minimum sensitivity	0.18 oz./yr. (5 g/yr.)
Power source	NiMH battery (rechargeable) Wall/car charger (can operate while charging)
Battery life	6.5 hours
Weight	1.19 lb. (540 g)
Certifications	CE
Probe length	15 in. (38 cm)
Warranty	Two-year over-the-counter

### ORDERING INFORMATION

D-TEK CO<sub>2</sub> (115 V) 716-202-G1

### Accessories and Replacement Parts

Headphones	032-0430
Premium headphones	032-0427
115 V (ac) wall charger	033-0019-G1
12 V (dc) car charger	703-055-P1
NiMH battery	712-700-G1
Sensor (CO <sub>2</sub> )	716-701-G1
Filter cap	712-705-G1
Filter cartridges	712-707-G1
Carrying case	716-702-G1



# GAS-Mate®

## COMBUSTIBLE GAS LEAK DETECTOR

**Safely detect combustible gas and flammable refrigerant leaks.**

GAS-Mate is an intrinsically safe combustible gas leak detector that can safely and reliably detect leaks of combustible gases, flammable refrigerants, and hydrogen forming gas. It is a versatile tool for use in heating, air conditioning, refrigeration, and automotive applications. You can leak check with confidence knowing GAS-Mate is backed by an industry-best three-year over-the-counter warranty.

**Leak Detector Selection Guide on page 21**



HAZARDOUS  
LOCATION SAFETY



**WATCH OUR VIDEO!**





**ADVANTAGES**

- Detects natural gas, propane, isobutane, ammonia, hydrogen forming gas (95/5), and more
- Ultimate sensitivity of 5 ppm for methane, R290 (propane), and R600a (isobutane)
- Intrinsically safe for use in combustive/explosive environments
- Great for flammable refrigerants like R290, R600a, and R441a
- Runs on two D-cell batteries

**SPECIFICATIONS**

Includes	GAS-Mate Combustible gas sensor Two D-size alkaline batteries Carrying case
Compatible gases and refrigerants	Propane (R290), isobutane (R600a), R441a, hydrogen forming gas (95/5), natural gas, methane, ammonia, and more
Sensitivity	5 ppm for methane, propane (R290), isobutane (R600a), and hydrogen 1 ppm for gasoline
Power source	Two D-size alkaline batteries (use Duracell® MN1300 to maintain intrinsically safe approval)
Battery life	25 hours
Weight	1.54 lb. (700 g)
Certifications	CE Intrinsically safe for Class I, Division I, Groups A - D, T4 and II 3G Ex nA nL IIC T4 X as per MET Laboratories Listing #E112145
Probe length	15 in. (38 cm)
Warranty	Three-year over-the-counter

**ORDERING INFORMATION**

GAS-Mate 718-202-G1

**Accessories and Replacement Parts**

Sensor 706-700-G1

Carrying case 718-701-G1





# Whisper<sup>®</sup>

## ULTRASONIC LEAK DETECTOR

**Can you hear the leak? We can.**

Whisper uses ultrasonic technology to listen for the sound of a gas moving through a leak site, making it a super versatile tool for leak checking ANY gas in pressurized or vacuum systems. The optional accessory kit adds even more functionality, allowing for leak checking of door seals, ducts, steam traps, and mechanical parts like bearings. With its wide range of applications, Whisper is a great tool to have on hand.

**Leak Detector Selection Guide on page 21**



**NOW WITH  
LASER  
POINTER!**





**SPECIFICATIONS**

Whisper includes	Whisper Headphones Rubber extension probe Two D-size alkaline batteries Carrying case
Whisper with accessory kit includes	Whisper Premium headphones Metal contact probe Whisper Transmitter (with battery) Rubber extension probe Two D-size alkaline batteries Carrying case
Power source	Two D-size alkaline batteries
Battery life	165 hours (laser pointer off) 115 hours (laser pointer on)
Weight	1.06 lb. (482 g)
Certifications	CE
Warranty	Two-year over-the-counter

**ORDERING INFORMATION**

Whisper	711-202-G1
Whisper with accessory kit	711-203-G1
<b>Accessories and Replacement Parts</b>	
Headphones	032-0430
Premium headphones	032-0427
Whisper Transmitter	711-600-G1
Contact probe	711-316-G1
Carrying case	711-701-G1



- Accessory kit includes:
- Premium headphones
  - Hard metal probe for checking mechanical parts like worn bearings
  - Whisper Transmitter for checking door and window seals

**ADVANTAGES**

- ▀ Detects pressure and vacuum leaks for all gases
- ▀ Works even in noisy environments
- ▀ Laser pointer makes it easier to pinpoint the leak
- ▀ Applications include pressure/vacuum leaks, electrical arcing, malfunctioning steam traps and more!
- ▀ Only technology to detect pressurized nitrogen leaks
- ▀ Rugged carrying case included





# CO Check<sup>®</sup>

## CARBON MONOXIDE METER

### Superior accuracy for peace of mind.

CO Check is a reliable and affordable tool to measure the carbon monoxide (CO) level in your immediate environment. A large display indicates the ppm level of CO in the environment and audible alarms and colored indicators alert if dangerous levels of CO are present. CO Check is a great companion for any technician's toolbox.



1-999 PPM RANGE



### SPECIFICATIONS

Includes	CO Check 9 V alkaline battery Holster case
Battery life	200+ hours
Power source	9 V alkaline battery
Range	1 to 999 ppm
Display resolution	1 ppm
Accuracy	3% of reading $\pm$ 1 ppm
Auto shut-off	20 min.
Alarm indicators	Variable speed audio alarm, colored LEDs, ppm display
Dimensions (with holster)	6.3 x 3.8 x 2.0 in. (16.0 x 9.7 x 5.1 cm)
Weight (with holster)	0.56 lb. (250 g)
Warranty	Two-year over-the-counter

### ORDERING INFORMATION

CO Check	715-202-G1
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### Accessories and Replacement Parts

Holster case	715-400-P1
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### ADVANTAGES

- Best-in-class accuracy for peace of mind
- Simple operation for ease of use
- Bright, colored indicators and audible alarm for quick hazard recognition
- Large, easy-to-read display
- Runs on one 9 V battery
- MAX feature retains the highest reading for easy multitasking
- Padded holster with belt clip for hands-free use

### CARBON MONOXIDE:

- is generated by poorly maintained fuel-burning appliances
- kills over 200 people each year\*
- is colorless, odorless and tasteless
- can cause poisoning, which mimics the symptoms of the flu but can be fatal with high CO exposure levels (such as above 100 PPM)
- can be harmful even at low exposure levels—even single digit PPM readings

\*from the Consumer Product Safety Commission





# Wey-TEK™

## REFRIGERANT CHARGING SCALE

**Accurate and reliable readings for years to come.**

The Wey-TEK Refrigerant Charging Scale truly is Laboratory Accurate and Toolbox Tough. Simple operation, outstanding durability, and great accuracy make Wey-TEK a great choice for any technician. A large weighing platform, 220 lb. (100 kg) capacity, and competitive price make Wey-TEK a great value. See why Wey-TEK is the most requested refrigerant scale on the market.



### ADVANTAGES

- 220 lb. (100 kg) capacity
- Large, all-metal platform for durability and versatility
- High accuracy load cell will not drift
- Easy-to-use handpiece with detachable communications cable
- Displays measurements in decimal lb., lb./oz., or kg
- Rugged carrying case included

### SPECIFICATIONS

Includes	Wey-TEK weighing platform with wired control handpiece 9 V alkaline battery Carrying case
Weighing capacity	220 lb. (100 kg)
Accuracy	±0.3% of reading ±0.25 oz. (10 g)
Display resolution	0.25 oz. (10 g)
Display type	LCD
Display units	lb., lb./oz., or kg
Power source	9 V alkaline battery
Battery life	60 hours
Weight (in case)	9 lb. (4,080 g)
Weighing platform dimensions (W x L)	12.3 x 10.8 in. (31.1 x 27.3 cm)
Warranty	Two-year over-the-counter

### ORDERING INFORMATION

Wey-TEK	713-202-G1
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### Accessories and Replacement Parts

Replacement weighing platform	713-700-G1
Replacement control handpiece	713-701-G1
Replacement cable	600-1274-P1
Carrying case	713-703-G1



# Wey-TEK HD Wireless™

## REFRIGERANT CHARGING SCALE

### Wireless freedom meets superior durability.

Wey-TEK HD Wireless takes the rugged performance of Wey-TEK and goes a step further. With a large, rubberized weighing platform, capacity of 250 lb. (115 kg), and Bluetooth® wireless technology for use with an optional handpiece or free smart-phone app, Wey-TEK HD Wireless will help you save time and money by getting you to the next job quickly.



Apple, the Apple logo, and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play is a trademark of Google Inc. Android is a trademark of Google Inc.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by INFICON is under license. Other trademarks and trade names are those of their respective owners.





**ADVANTAGES**

- 250 lb. (115 kg) capacity
- Real-time measurements from your smartphone or tablet\*
- High accuracy load cell won't drift
- 30 ft. (10 m) Bluetooth® range
- Displays measurements in lb., lb./oz., oz., or kg
- Alarm mode allows you to multitask on the job
- Save and e-mail job logs for refrigerant tracking (new requirement by EPA section 608)\*\*

\* Compatible with iPhone® 4s and above. Compatible with Android™ 2.2 and above.

\*\* Job logs and email only available using smartphone or tablet



**WATCH OUR VIDEO!**

<b>SPECIFICATIONS</b>		
	202 model	203 model
Includes	Wey-TEK HD Wireless Four AA-size alkaline batteries Carrying case	Wey-TEK HD Wireless Bluetooth handpiece Eight AA-size alkaline batteries Carrying case
Weighing capacity	250 lb. (115 kg)	
Accuracy	±0.06% of reading ±0.25 oz. (10 g)	
Display resolution	0.25 oz. (10 g)	
Display type	User provided smartphone/tablet	Full color LCD or user provided smartphone/tablet
Display units	lb., lb./oz., oz., or kg	
Power source	Four AA-size alkaline batteries (base)	Four AA-size alkaline batteries (base) Four AA-size alkaline batteries (handpiece)
Battery life	80 hours (base)	80 hours (base) 100 hours (handpiece)
Weight (in case)	8 lb. (3,620 g)	9 lb. (4,080 g)
Weighing platform dimensions (W x L)	12.3 x 10.8 in. (31.1 x 27.3 cm)	
Certifications	CE, IPx4 water resistant	
Warranty	Two-year over-the-counter	

**ORDERING INFORMATION**

Wey-TEK HD Wireless	719-202-G1
Wey-TEK HD Wireless with Handpiece	719-203-G1

**Accessories and Replacement Parts**

Handpiece only	719-715-G1
Carrying case	719-701-G1





# Vortex Dual<sup>®</sup>

## REFRIGERANT RECOVERY MACHINE

**The most powerful unit available with the best warranty in the industry.**

Vortex Dual is INFICON's best refrigerant recovery machine yet! Complete your job with confidence knowing Vortex Dual will perform with industry-leading recovery rates and an unsurpassed three-year over-the-counter warranty. Vortex Dual is truly Laboratory Accurate. Toolbox Tough.<sup>®</sup>



### ADVANTAGES

- Achieve industry-leading recovery rates with a powerful 1 HP dual piston compressor
- Microchannel condenser provides exceptional heat exchange in high temperatures
- Two valve operation with self-purge for ease of use
- Large, easy to read gauges
- Heavy duty blow molded case
- Fully serviceable
- Shoulder strap included for easy transport

Shoulder strap included (not shown)

Easy-to-read gauges

Durable metal knobs

Easy two-knob operation with self-purge

1 HP dual piston compressor (not shown)

Filter-dryer included

Micro-channel condenser (not shown)

Heavy duty blow molded case

WATCH OUR VIDEO!





**SPECIFICATIONS**

Includes	Vortex Dual Shoulder strap Filter/dryer Detachable power cord
Compatible refrigerants	Commonly used CFCs, HCFCs, HFCs, and HFOs including R410a, R12, R22, R32, R134a, R404, R407c, R500, R502, R1234yf, and other class III, IV, and V refrigerants *Not recommended for use with flammable (HC) refrigerants
Weight	29.75 lb. (13.5 kg)
Dimensions (L x W x H)	16.7 x 9.2 x 14.2 in. (42.4 x 23.4 x 36.1 cm)
Compressor	1 HP oil-less, dual piston, AC motor drive
High pressure shut-off	550 psi
Power source	115 V (ac), 60 Hz, 15 A or 230 V (ac) 50/60 Hz, 10 A (depending on model)
Certifications	CSA (714-202-G1 model) CE (714-202-G11 model) A2L certified
Warranty	Three-year over-the-counter

**ORDERING INFORMATION**

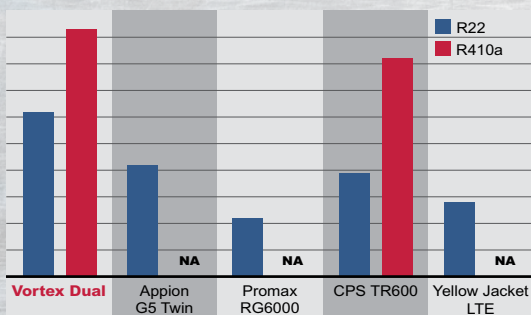
Vortex Dual, 115 V (ac)	714-202-G1
Vortex Dual, 230 V (ac)	714-202-G11

**Accessories and Replacement Parts**

Shoulder strap	722-408-P1
Filter/dryer	722-409-P1
Power cord (115 V)	068-0684
Power cord (230 V)	068-0685



**HIGH TEMP VAPOR RECOVERY RATES**



**CERTIFICATIONS**

Vortex Dual is an EPA-certified machine in accordance with Section 608 of the Clean Air Act. It has been independently tested and certified to be in conformance with AHRI standard 740-1998.

REFRIGERANT TESTED	R134a	R22	R410a
Representative of category	III	IV	V
High temp vapor rate	N/A	0.62 (0.28)	0.93 (0.42)
Vapor rate	0.47 (0.21)	0.55 (0.25)	0.55 (0.25)
Liquid rate	5.1 (2.29)	8.0 (3.60)	10.60 (4.77)
Push-pull rate	11.64 (5.24)	15.01 (6.75)	17.39 (7.82)

Rates are in lb./min. (kg/min.) and are independently tested



# QS5

## VACUUM PUMP

### An affordable pump that lasts.

QS5 is a 5 CFM pump with premium features without the premium price. Dual voltage operation, brass fittings, and an exhaust demister make QS5 a versatile and durable pump for everyday use. A two-year over-the-counter warranty ensures QS5 will stand up to daily punishment for years.

#### ADVANTAGES

- 5 CFM displacement for vacuum down to 15 microns
- Inlet check valve prevents oil from flowing back into the system
- Durable metal fittings and base
- Oil demister helps reduce oil in exhaust
- Versatile dual voltage operation

#### SPECIFICATIONS

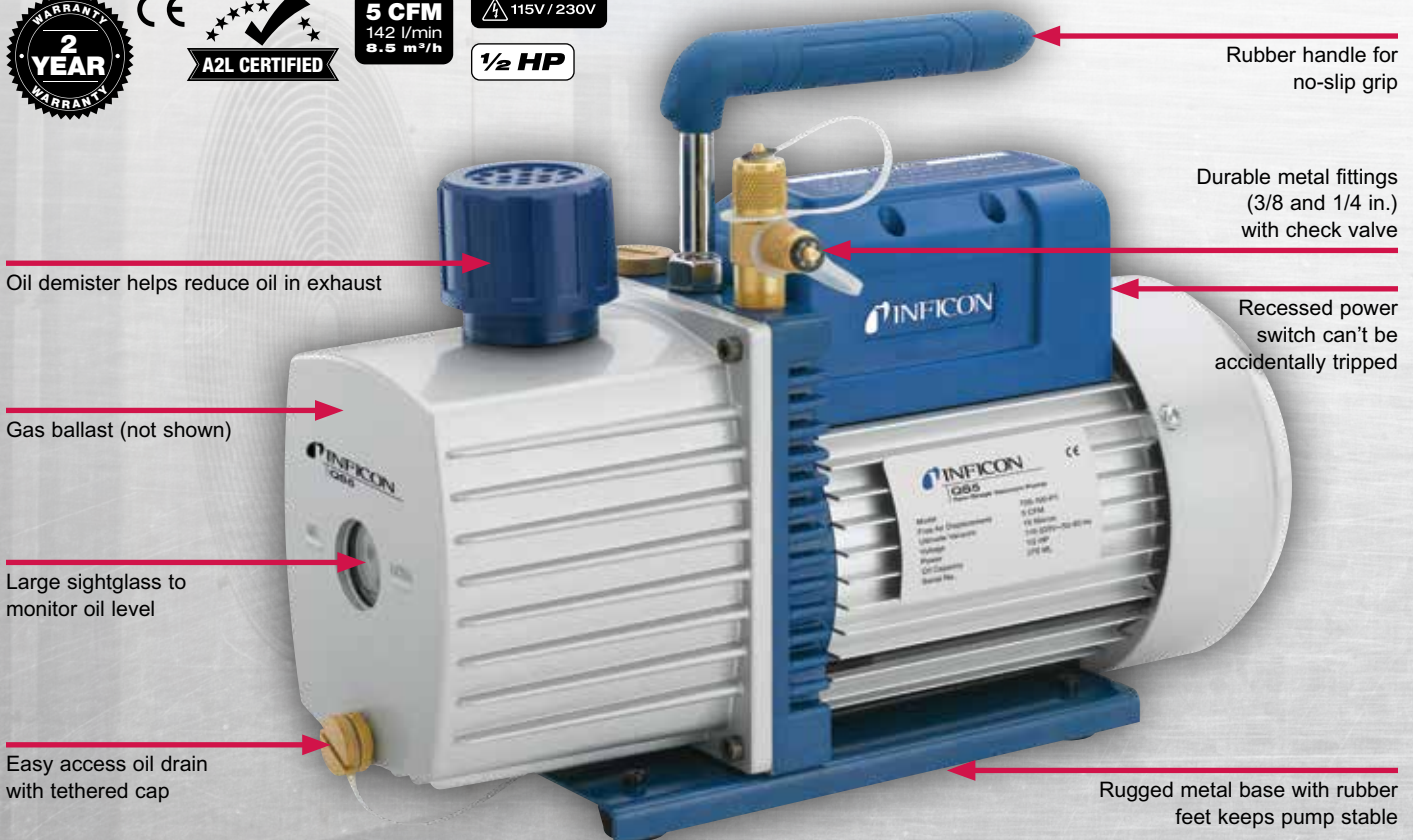
Includes	QS5 Detachable power cord Vacuum pump oil
Free air displacement	5 cfm (142 l/m, 8.52 m <sup>3</sup> /h)
Motor	1/2 HP AC
Oil capacity	12.5 oz. (370 ml)
Weight	24 lb. (10.89 kg)
Power source	115/230 V (ac) dual voltage operation
Warranty	Two-year over-the-counter

#### ORDERING INFORMATION

QS5 pump, 115 V (ac)	700-100-P1
QS5 pump, 230 V (ac)	700-100-P10

#### Accessories and Replacement Parts

Power cord (115 V)	068-0684
Power cord (230 V)	068-0685





# Pilot® Plus

## VACUUM GAUGE

### Measure vacuum like a pro.

Pilot Plus is an affordable and reliable vacuum gauge that can measure your entire vacuum process, from atmosphere down to one micron. A Pirani sensor with a protective filter and other premium features give you great performance. A one-year over-the-counter warranty ensures it will perform for years to come.



Full range ATM  
TO 1 MICRON



### SPECIFICATIONS

Includes	Pilot Plus 9 V alkaline battery Replacement filters Storage case
Battery life	45 hours
Power source	9 V alkaline battery
Fitting type	1/4 in. male flare (710-202-G1 model) KF16 flange (710-202-G27 model)
Fitting thread	7/16-20 UNF (710-202-G1 model)
Display units	Microns, Pascal, millibar, Torr
Display range	atm (760,000 microns) to 1 micron
Auto shut-off	60 min.
Accuracy	0 to 200 microns: 10 microns >200 microns: ±10% of reading
Display resolution	1 micron 0.1 Pa 0.001 mbar 0.001 Torr
Maximum overpressure	150 psi (7.76 x 10 <sup>6</sup> microns)
Dimensions	3.2 x 1.1 x 7.1 in. (8.2 x 2.9 x 18.0 cm)
Weight	0.52 lb. (240 g)
Warranty	One-year over-the-counter

### ORDERING INFORMATION

Pilot Plus	710-202-G1
Pilot Plus with KF16 flange	710-202-G27
<b>Accessories and Replacement Parts</b>	
Holster case	715-400-P1
Carrying case	710-600-G1
Spare filters	710-701-G1

### ADVANTAGES

- Full range measurement from atmosphere to 1 micron
- Unique filter design protects sensor from contamination
- Runs on one 9 V battery
- Pirani sensor for superior accuracy
- Displays units in micron, Pascal, Torr, or millibar
- Rugged carrying case included



# Leak Detector Selection Guide

## Which leak detector is right for you?

Choosing the right leak detector can be hard. Luckily, INFICON offers a full line of leak detectors to meet all of your needs, whether it's residential, commercial, industrial, or automotive AC or refrigeration. We are proud to stand behind our products by offering an outstanding over-the-counter warranty, so you can purchase with confidence.

**If you need more help, please call us at 1.800.344.3304 and we'll help you pick the right instrument for your needs.**

								
	D-TEK Stratus	D-TEK 3	D-TEK Select	Compass	TEK-Mate	D-TEK CO <sub>2</sub>	GAS-Mate	Whisper
Sensor technology	Infrared	Infrared	Infrared	Heated diode	Heated diode	Infrared	Surface reaction	Ultrasonic
<b>Detects:</b>								
Ammonia	✓	✓	✓				✓	✓
CO <sub>2</sub>	✓*	✓*				✓		✓
HCFCs, HFCs	✓	✓	✓	✓	✓			✓
A2L semi-flammables (R32, R1234yf)	✓	✓	✓	✓	✓			✓
R290, R600, R441a							✓	
Intrinsically safe							✓	
PPM display	✓							
Minimum sensitivity	0.03 oz./yr. (1 g/yr.)	0.03 oz./yr. (1 g/yr.)	0.10 oz./yr. (3 g/yr.)	0.15 oz./yr. (4 g/yr.)	0.25 oz./yr. (7 g/yr.)	0.18 oz./yr. (5 g/yr.)	1 ppm	NA
Sensitivity per EN 14624	1 g/yr.	1 g/yr.	1 g/yr.	NA	2 g/yr.	NA	NA	NA
Battery type	Rechargeable	Rechargeable	Rechargeable	Rechargeable	Alkaline	Rechargeable	Alkaline	Alkaline
Manual zero mode	✓	✓	✓			✓		
Headphone jack	✓	✓	✓	✓		✓		✓
Relative price	\$\$\$\$	\$\$\$	\$\$\$	\$\$	\$	\$\$\$	\$	\$

\* Using optional CO<sub>2</sub> sensor



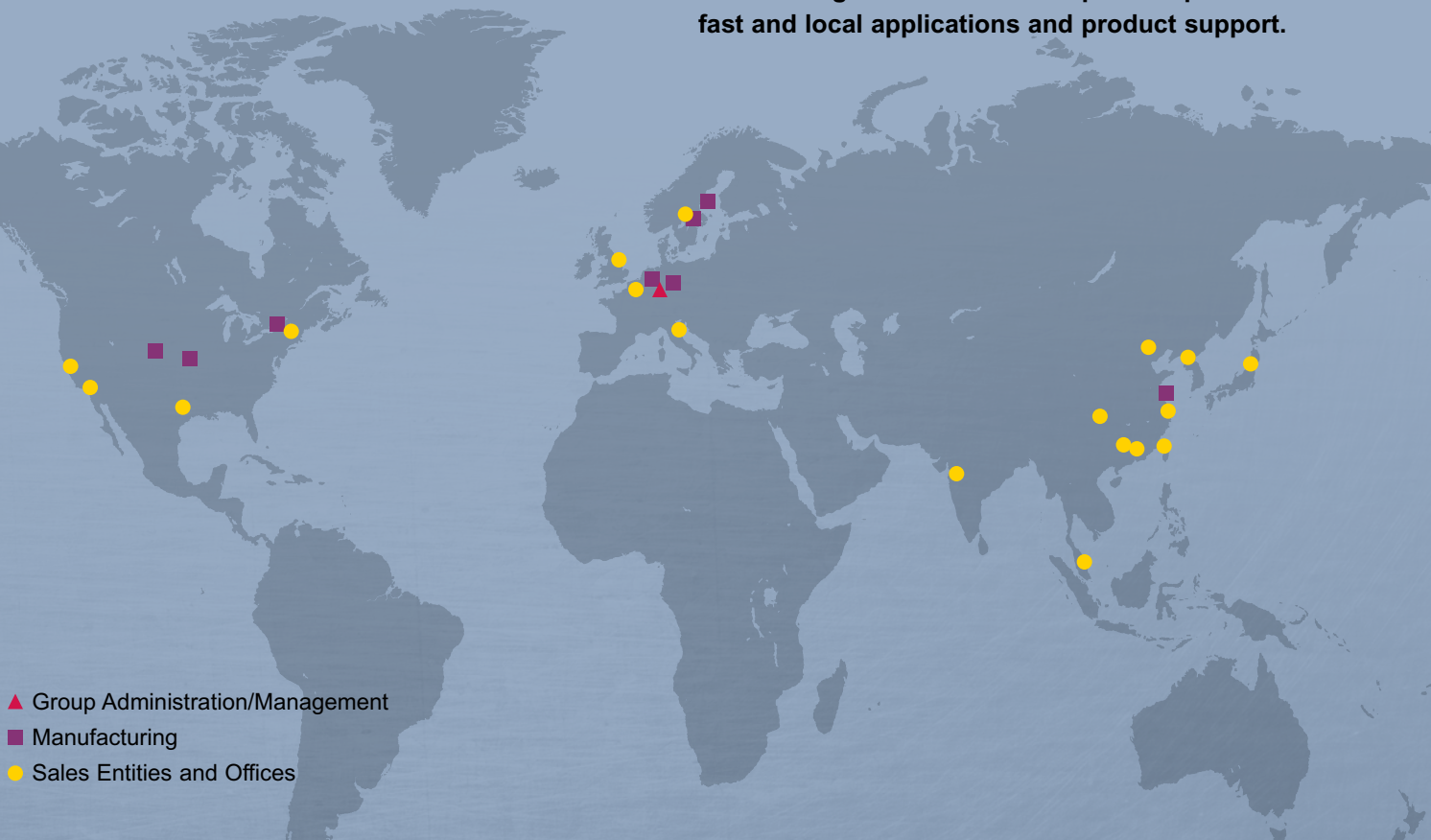
# About INFICON

INFICON provides technology leadership and applications expertise in areas such as gas analysis, leak detection, vacuum measurement and control, and on-site chemical analysis of air, soil and water. Our products are used in a wide variety of applications and markets. INFICON production leak detectors ensure quality in air conditioning, refrigeration, and automotive

manufacturing settings worldwide, and technicians rely on INFICON Service Tools to assure these products remain leak tight during years of service.

For more information about INFICON, its products, and worldwide network of sales and service locations, please visit [www.inficon.com](http://www.inficon.com).

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[service.tools@inficon.com](mailto:service.tools@inficon.com)

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