



Multigas-Sniffer-Leak Detector Ecotec E3000

QMS Technology

Setting New Standards for Sniffer Leak Detection

THE INFICON Ecotec E3000 multi-gas leak detector is bringing new levels of productivity and reliability to the final testing of refrigerators, freezers, automotive air conditioners and similar products. Leaks that are not found increase your warranty costs. False alarms increase your rework costs. Therefore, improving the accuracy and reliability of your testing operation will provide immediate cost savings.



The Ecotec E3000 is specifically designed for demanding production environments. Numerous features make it easy and comfortable to use while making it more immune to careless operation and minimizing operator errors. It is also fast, to make the best use of your available cycle time. Innovative design and robustness keep the cost of ownership down and ensure very high up-time.

FEATURES

- Improved system design compensates for poor sniffing operation reducing the potential for missed leaks
- IGS (Interfering Gas Suppression) ensures only leaks are detected.
- Built-in ECO-Check reference leak allows for easy and fast calibration at the production line at any time
- Multiple alarms make sure leaks can not be overlooked
- I-Guide (operator-guiding mode) ensures your operator tests the right locations with the right technique
- Unit can be operated via the probe display and probe buttons without access to the main unit
- Built-in illumination source on the probe helps precisely position the sniffer tip
- Ergonomic probe design allows for easy and comfortable use
- Operating software is available in many languages

Type	Ecotec E3000
ECOTEC E3000, 110V	530-002
Ecotec E3000, 230V	530-001
Ecotec E3000A, 115V, Aviation package	530-102
Ecotec E3000A, 230V, Aviation package	530-101
Ecotec E3000RC, 115V	530-104
Ecotec E3000RC, 230V	530-103

SPECIFICATIONS

Type	Ecotec E3000
Helium	1E-6 mbarl/s
R134a	0.05 g/a (0.002 oz/yr)
R600a	0.05 g/a (0.002 oz/yr)
Measuring scale	0.05 – 999.99 g/a (0.015 – 99.999 oz/yr)
Response time incl. sniffer line	0.8s
Max No. of gases detected simultaneously	4
Leak rate units	g/a, oz/y, mbar l/s, ppm, Pa m3/s
Gas flow	160 sccm
Start-up time	< 2 min
Ambient temperature range	10 – 45 °C (50 – 113 °F)
Dimensions (W x H x D)	610 x 370 x 265 mm (24 x 14.6 x 10.4 in)
Weight	34 kg (75 lbs)

ACCESSORIES

	Ecotec E3000
Adapter for custom SL P3000 / E3000	525-005
cable 5 m, fits to 551-100	551-102
Connecting cable ext. display unit, 0.7m	551-103
Cover test leak opening P3000/E3000	525-007
Display unit, rack mounting	551-101
Display unit, table top	551-100
Holder for SL3000	525-006
SL3000-10, 10m length	525-003
SL3000-15 for Ecotec E3000, 15m length	525-004
SL3000-3, 3m lengths	525-001
SL3000-5, 5m length	525-002
Sniffer probe FT 312	12214
Sniffer probe FT385	12216
Sniffer probe ST200	12218
Sniffer probe ST385	12215
Sniffer tip FT250	12266
Sniffer tip FT600	12209
Sniffer Tip ST 312	12213
Sniffer tip, rigid, 500 mm. 45°	12272
Water protection tip for Protec / Ecotec	12246

CONSUMABLES

	Ecotec E3000
ECO-CHECK, R134	531-001
Leak standard CO2, 10-14 g/a	12275
Leak standard CO2, 2-5 g/a	12232
Leak standard forming gas, 10%	12233
Leak standard Halon 1301, 2-5 g/a	12234
Leak standard R134a, 10-12/a	12240
Leak standard R134a, 2-5 g/a	12220
Leak standard R152a, 2-5 g/a	12227
Leak standard R22, 2-5 g/a	12225
Leak standard R290, 7-8 g/a	12231
Leak standard R401A, 2-5 g/a	12230
Leak standard R404A, 14-17 g/a	12242
Leak standard R404A, 2-5 g/a	12222
Leak standard R410A, 2-5 g/a	12229
Leak standard R502A, 12-15 g/a	12243
Leak standard R502A, 2-5 g/a	12223
Leak standard R600a, 15-18 g/a	12241
Leak standard R600a, 2-5 g/a	12221
Leak test R407C, 2-5 g/a	12228
Test Leak HFO-1234 YF, 2-5 g/a	12235



www.inficon.com reachus@inficon.com

Due to our continuing program of product improvements, specifications are subject to change without notice.
RateWatcher is a trademark of INFICON. All other trademarks are the property of their respective owners.

(2013-03) © 2012 INFICON