

1.0 INTRODUCTION

1.1 The Fyrite® INSIGHT

The Fyrite® INSIGHT is a hand-held residential- and commercial-grade portable combustion analyzer designed for on-demand sampling of light industrial combustion equipment, residential furnaces, and appliances.

The Fyrite® INSIGHT is upgradable from the Basic model to the Recording model which includes additional features such as software compatible for downloading data and the IrDA printer.

The following conventions are used in this manual:



WARNING: A warning statement denotes a potential hazard associated with the use of this equipment. Failure to follow this information could result in serious personal injury or death.



CAUTION: A caution statement indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. Caution statements may also be used to alert against unsafe practices.

To assure operator safety and the proper use of the Fyrite INSIGHT, please read the contents of this manual for important information on the operation and maintenance of the analyzer. This manual contains information on all models of the Fyrite INSIGHT. Please disregard any information that does not pertain to your model.



WARNINGS!

- *This analyzer should not be used on a continuous basis.*
- *This analyzer should not be used as a safety device.*
- *Except for sensor and battery replacement, this analyzer should only be opened and serviced by authorized personnel.*
- *When testing an appliance, a full visual inspection of the appliance should be carried out to ensure its safe operation.*
- *HAZARDOUS AREA WARNING: This instrument has not been designed to be intrinsically safe for use in areas classified as hazardous locations. For your safety, DO NOT use it in hazardous (classified) locations.*
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7.0 PARTS & SERVICE

7.1 Replacement Parts

Description	Part No.
O ₂ Sensor	0024-0788
CO Sensor	0024-7265
B-Smart CO Sensor	0024-1467
O ₂ Sensor Cover.....	0024-1421
CO Sensor Cover Assembly.....	0024-1484
Probe and Hose Assembly.....	0024-3004
Water Trap	0019-3265
Filter (pkg of 3).....	0007-1644
Thermocouple Replacement (12 in.).....	0024-8414
Probe Stop	0019-3037
Gas Connector	0024-0877
Draft Connector	0024-0878
Connector Plate Assembly	0024-1483
O-Ring Kit (2 sets)	0024-1471
USB cable	0104-4032
Carry Case.....	0024-0865
Replacement Pump.....	0024-3049 or 0024-3073 (see Section 6.6)
PC Software.....	0024-1470
Battery / Sensor Cover	0024-1453

7.2 Accessories

IrDA Printer	0024-1400
Printer Paper (pkg of 5)	0024-1310
Printer Paper (pkg of 1)	0006-8733
Boot.....	0024-1461
AC Adapter	0024-1254
Calibration Kit	0024-7059
Calibration Gas, 500 ppm CO.....	0024-0492
Calibration Gas, 100 ppm CO.....	0051-1994
Thermocouple, 1 IN.....	0104-1798
Thermocouple, 10 FT.....	0104-1797
Smoke Kit	0021-7006
Differential Pressure & Temperature Kit.....	0024-8242
NO _x Filter	0024-1505