



SOUTHERN CROSS

Flame Pack Hydrocarbon Gas Detector

The Southern Cross Flame Pack Model 400 is a hydrocarbon gas detector that utilizes a hydrogen flame ionization (HFI) detection method.

The Flame Pack is very compact, weighs only five pounds and is easily hand carried anywhere a person can walk, crawl, or climb. The Flame Pack requires no shoulder straps, tubes, harnesses or accessory cords. The flexible wand and extendable stiffener provide leak survey technicians flexible configurations for probing and inspecting buried pipes and above-ground assets.



When the Flame Pack's "Search" range is selected, hydrocarbon gases are detected in ambient air in amounts as low as one part per million (ppm), which triggers the audible alarm. A "Center" 5000 ppm range can then be utilized to center any detected gas leaks.

The Flame Pack is powered by two standard 9-volt alkaline batteries that typically last one to two weeks. The easily-replaced batteries make the Flame Pack lighter, eliminate lengthy battery charges, and maximize survey time.

The Flame Pack operates silently and can be refueled in under a minute with a readily available 40% Hydrogen, 60% Nitrogen fuel mixture.

The Flame Pack's sample intake rate of approximately 240 cubic centimeters per minute (cc/min) extends battery and filter life, minimizes intake of contaminants, and reduces service and maintenance requirements.

Flame Pack with Flexible Probe and Extendable Stiffener



"Our gas leak survey technicians have used Flame Packs for over twenty years. The Flame Pack is still the most effective, durable, lightweight and easy to use gas leak survey product available."

Kevin Cartwright
Greencove Springs, FL

SOUTHERN CROSS FLAME PACK

Lightweight
Integrated Design

Silent Operation and
Fast Warmup Time

<1ppm Hydrocarbon
(Methane) Detection

Adjustable
Sensitivity Ranges

Approx. 8-hour Fuel
Endurance Time

1-minute Refuel
Time

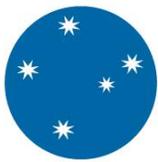
Audible and Visual
Alarms

1-2 Week Battery
Endurance

Replaceable 9-Volt
Alkaline Batteries



Flame Pack Shown without Probe Assembly and Battery Cover



Each Flame Pack is shipped in a rugged, foam-lined carry case. A PDF file containing ' Operator Instructions, a service parts list, accessory list and operator service information is provided with an instructional video in DVD format. The Flame Pack also ships with a supply of spare wand filters.

Flame Pack with Carry Case and DVD



When purchased with optional mounting kits and auxiliary probe assemblies, the Flame Pack can be mounted on automobiles, all-terrain vehicles, and other approved vehicles. In vehicle-mounted configurations, the Flame Pack dramatically increases leak survey technician productivity, coverage and effectiveness.

Flame Pack with Optional ATV Accessory Probes and Mounting Assemblies



Flame Pack with Optional Vehicle Accessory Probes and Mounting Assemblies



Specifications:

Ignition Type:	Piezoelectric spark
Initial Start-Up Time:	5 to 15 minutes
Sample Intake Flow Rate:	220-240cc/min
Response Time:	2-3 seconds
Operating Noise:	None
Hydrocarbon (Methane) Sensitivity:	Less than 0.5 ppm
Fuel Type:	Mix of 40% hydrogen and 60% nitrogen gas
Fuel Capacity :	300cc @ 1800psi
Fuel Consumption Rate:	225 psi/hr. +/- 20%
Endurance with Full Fuel:	Approx. 8 hours
Battery Type:	2 ea., 9V alkaline
Battery Life:	Approx. 3-4 days continuous, 1-2 weeks with typical usage
Instrument Weight:	5 pounds
Carry Case:	Fiberglass reinforced nylon case 22"Lx 17"W x 9"H
Shipping Weight:	18 pounds
Visual Alarm (LED):	Flame Out
Audible Alarm:	Hydrocarbon Detection
Hydrocarbon Readout Meter:	0-100 uA
Hydrocarbon Alarm Preset:	40 - 50% full scale
Flex Probe Dimensions/Weight:	18 to 31 inches (45.7-78.7 cm) 1 lb. (0.45 kg)

Ordering Information:

Part Number	Description
SCC 100.400	Flame Pack Model 400 with Foam-lined Carry Case, DVD Disk with Instructional Video and Operations and Service Manual (PDF)
SCC 272.491	Flame Pack Model 400 Spare Parts Kit, Batteries and Filter Kit
SCC 100.180	Flame Pack RK3 Calibration Kit (excludes test gas cylinder)

The Southern Cross Flame Pack is proudly manufactured and serviced in the United States of America. For additional information, please contact Southern Cross. **Southern Cross Products are distributed locally and available from:**

