LONGEST 50 HOURS RUNTIME

50 hours!

Scout

Multi-Gas Personal Monitor

TOXICS

COMBUSTIBLES

"Safer Through Science"

tyco / Scott Technologies, Inc.

SCOTT INSTRUMENTS

Scott Instruments are Safer Through Science.

Our commitment to our customers isn't just words.

At Scott Instruments we have listened to our customers and devoted the research and development resources to bring better, more robust products to the gas detection marketplace.

From styling to electronics circuitry, we have developed the Scout with some extraordinary features that we know *will make a difference to you*! We are so sure of the Scout's performance that it comes complete with a full lifetime warranty.

Let Scout Lead The Way When You Need to Detect...

- Ammonia
- Carbon Monoxide
- Chlorine
- Chlorine Dioxide
- Combustibles (%LEL and %v/v)
- Hydrogen Cyanide
- Hydrogen Sulfide
- Nitrogen Dioxide
- Nitrogen Oxide
- Oxygen
- Phosphine
- Sulfur Dioxide

.... more to come.

The Facts about the Scout Advantage...

Whether it's downtime from a short battery life or a component failure, a non-working instrument can cost you. That's why the Scott Instruments Product Development Team has designed the Scout with features that help assure continued reliability and durability and , in the event of a failure, fast repair time at lower costs.

Fact #1 Scout's Advanced Battery Management Technology Makes Every Second Count.

Scout's exclusive **ABM**™ technology feature provides up to 50 hours of runtime and, with the wireless charger, fast re-charge time. Unlike many other similar instruments, Scout's battery pack is simple to release without having to unscrew or remove components.

Fact #2 Scout's modular pump and component assemblies will minimize downtime.

Unlike many other portable detectors, should a failure of a pump occur, the Scout can continue to be operated and a new pump can be simply plugged in. In fact, all Scout's major components are modular and designed for simple, fast replacement in the field.

Fact #3 Intelligent "confidence" features help keep Scout users safe.

Sensors can be replaced, or calibration performed, prior to a critical need situation. The Scout's "Sensor End-of-Life" and "Days to Calibration" reminders provide added assurance that Scout operators will remain aware of the instrument's operational status. For ultimate reliability, Scout performs other routine software and electronic diagnostics every time the instrument is powered up for use.

Scout

Multi-Gas Personal Monitor

LONGEST 50 HOURS RUNTIME

50 hours!

- Scout's **Advanced Battery Management** (ABM™) Technology can provide over a typical work week power on a single battery pack!

Easy User Maintenance & Upgrades

- Plug-in components permit in-the-field upgrades to almost any level of sophistication.
- Downtime and service issues are incredibly reduced requiring only a screwdriver for fast component swap-outs.

Foolproof Intellishutter™ Design

- Quickly change from diffusion mode to sample draw mode "on-the-fly" without tools.
- Shutter position is sensed to prevent incorrect operation.
- Sample draw port only permits a probe to be connected when the shutter is closed.

Versatile and Easy to Use

- Easy to use for both the basic and advanced user.
- Scout's userware can be configured for any level of user and stores up to 100 customized profiles for your teams.

Smart, Powerful Pump Adds Confidence

- Optional integral pump permits samples to be taken from up to 100 ft away.
- Electronically integrated with the IntelliShutterTM to automatically begin operating upon shutter closure.
- Special low flow alarm sensing, automatic pump shut-off, and water blocking filters combine to protect the Scout from water damage.

Drop it. Soak it. Trust it.

Dropped tested to a concrete surface and submerged in water, Scout continued providing safe gas detection - without interruption - without failure.

A One-Touch Quick Release Battery

- Convenient, no tools required battery swap-outs.

Sliding IntelliShutter™ easily switches Scout between diffusion and sampling modes

IRIS™ Wireless Charging Communications Dock

Lock and Latch No-Tools battery replacements

Detect Up to 5 Toxic Gases Simultaneously

With the Value2™ sensor, Carbon Monoxide and Hydrogen Sulfide detection are combined into one cost efficient sensor. With three additional sensor ports available, the Scout can detect up to 5 gases simultaneously and, unlike other multi-gas instruments, all five can be toxic sensors.

Never Have a Sensor Fail On-The-Job

- Sensor end-of-life indication provides advanced warning of sensor replacement time.
- "Instant recovery" feature eliminates sensor warm-up times so sensors work immediately after a battery change.

Ground Breaking Multi-Gas Monitor Feautures

- Auto-ranges to % gas above 100 %LEL .
- Advanced configuration capabilities include data tagging, datalogging and exposure record keeping, and auto calibration.
- Direct reading air-free Carbon Monoxide monitoring capable.

Battery Charges That Last a Long, *Long* Time.

- Both the Alkaline and Lithium-Ion battery packs deliver power to the Scout for over 50 hours.
- "Old technology" batteries could loose their charge during extended storage periods or develop a " charge memory". Scout's batteries were specifically chosen to retain their charge over an extended storage period, and with Lithium Ion technology, no charge memory is developed.

IRIS™ Wireless Charging and Communications System

IRIS™ (Infrared Information System) combines powerful software and a charging dock to manage Scout's configuration, charging, datalogging, and calibration needs.

- Manages PC infrared communications for datalogging and pc-based configuration.
- Manages the re-charge cycle and provides visual feedback of charge status.
- Eliminates case openings so moisture can't penetrate and corrode Scouts internal components.
- Automates calibration when combined with pressure-demand regulator and datalogging option.

Ordering Information

SCT- A - B - C - D - E - F - G - H - I - J

Each Letter option adds the feature you need...

SCT Base Instrument

Includes base instrument and instructions

AA: Battery Options

99 None
01 Alk Battery
02 Li-Ion Battery (No Charger)
03 Alkaline and Li-Ion Battery w/90-264V AC Charger Kit
04 Li-Ion Battery w/90-264V AC Charger Kit
05 Alkaline and Li-Ion Battery w/12V DC Charger Kit

BB: Sampling

99 None
01 pump 10 ft tubing
02 pump 10ft. FEP tubing
03 pump w/probe & tubing
04 hand aspirator w/ 10 ft clear

CC: Sensor # 1

99 None
01 O_2 Sensor (Oxygen)
02 CO Sensor (Carbon Monoxide)
03 H_2S Sensor (Hydrogen Sulfide)
04 Cl Sensor (Chlorine)
05 NH_3 Sensor (Ammonia)
06 SO_2 Sensor (Sulfur Dioxide)
07 PH_3 Sensor (Phosphine)
08 ClO_2 Sensor (Chlorine Dioxide)
09 HCN Sensor (Hydrogen Cyanide)
10 NO_2 Sensor (Nitrogen Dioxide)
11 NO Sensor (Nitrogen Oxide

Below options include 34 Liter calibration gas cylinder
(see Option JJ: for regulators)

17 CO Sensor (Carbon Monoxide)
18 H_2S Sensor (Hydrogen Sulfide)
19 Cl Sensor (Chlorine)
20 NH_3 Sensor (Ammonia)
21 SO_2 Sensor (Sulfur Dioxide)
22 PH_3 Sensor (Phosphine)
23 ClO_2 Sensor (Chlorine Dioxide)
24 HCN Sensor (Hydrogen Cyanide)
25 NO_2 Sensor (Nitrogen Dioxide)
26 NO Sensor (Nitric Oxide)

DD: Sensor # 2

99 None
01 O_2 Sensor (Oxygen)
02 CO Sensor (Carbon Monoxide)
03 H_2S Sensor (Hydrogen Sulfide)
04 Cl Sensor (Chlorine)
05 NH_3 Sensor (Ammonia)
06 SO_2 Sensor (Sulfur Dioxide)
07 PH_3 Sensor (Phosphine)
08 ClO_2 Sensor (Chlorine Dioxide)
09 HCN Sensor (Hydrogen Cyanide)
10 NO_2 Sensor (Nitrogen Dioxide)
11 NO Sensor (Nitrogen Oxide)

Below options include 34 Liter calibration gas cylinder
(see Option JJ: for regulators)

17 CO Sensor (Carbon Monoxide)
18 H_2S Sensor (Hydrogen Sulfide)
19 Cl Sensor (Chlorine)
20 NH_3 Sensor (Ammonia)

(continued...)

21 SO_2 Sensor (Sulfur Dioxide)
22 PH_3 Sensor (Phosphine)
23 ClO_2 Sensor (Chlorine Dioxide) gas
24 HCN Sensor (Hydrogen Cyanide)
25 NO_2 Sensor (Nitrogen Dioxide)
26 NO Sensor (Nitric Oxide)

EE: Sensor # 3 *(Dual-Toxic Position)*

99 None
01 O_2 Sensor (Oxygen)
02 CO Sensor (Carbon Monoxide)
03 H_2S Sensor (Hydrogen Sulfide)
04 Cl Sensor (Chlorine)
05 NH_3 Sensor (Ammonia)
06 SO_2 Sensor (Sulfur Dioxide)
07 PH_3 Sensor (Phosphine)
08 ClO_2 Sensor (Chlorine Dioxide)
09 HCN Sensor (Hydrogen Cyanide)
10 NO_2 Sensor (Nitrogen Dioxide)
11 NO Sensor (Nitrogen Oxide)
12 CO / H_2S Sensor (Dual-Toxic)

Below options include 34 Liter calibration gas cylinder
(see Option JJ: for regulators)

17 CO Sensor (Carbon Monoxide)
18 H_2S Sensor (Hydrogen Sulfide)
19 Cl Sensor (Chlorine)
20 NH_3 Sensor (Ammonia)
21 SO_2 Sensor (Sulfur Dioxide)
22 PH_3 Sensor (Phosphine)
23 ClO_2 Sensor (Chlorine Dioxide)
24 HCN Sensor (Hydrogen Cyanide)
25 NO_2 Sensor (Nitrogen Dioxide)
26 NO Sensor (Nitric Oxide)

FF: Sensor # 4 *(Combustible Position)*

99 None
01 O_2 Sensor (Oxygen)
02 CO Sensor (Carbon Monoxide)
03 H_2S Sensor (Hydrogen Sulfide)
04 Cl Sensor (Chlorine)
05 NH_3 Sensor (Ammonia)
06 SO_2 Sensor (Sulfur Dioxide)
07 PH_3 Sensor (Phosphine)
08 ClO_2 Sensor (Chlorine Dioxide)
09 HCN Sensor (Hydrogen Cyanide)
10 NO_2 Sensor (Nitrogen Dioxide)
11 NO Sensor (Nitrogen Oxide)
13 Combustible Sensor

Below options include 34 Liter calibration gas cylinder

16 Combustible Sensor
17 CO Sensor (Carbon Monoxide)
18 H_2S Sensor (Hydrogen Sulfide)
19 Cl Sensor (Chlorine)
20 NH_3 Sensor (Ammonia)
21 SO_2 Sensor (Sulfur Dioxide)
22 PH_3 Sensor (Phosphine)
23 ClO_2 Sensor (Chlorine Dioxide)
24 HCN Sensor (Hydrogen Cyanide)
25 NO_2 Sensor (Nitrogen Dioxide)
26 NO Sensor (Nitric Oxide)

GG: Instrument Case Protection

99 None
01 Rubber Boot
02 Leather Boot w/Shoulder strap

(continued...)

HH: Datalog

99 None
01 Datalog Board
02 Board/Software
03 Board/Software/Cable
04 Board/IrDA Transceiver
05 Board/Software/IrDA Transceiver

II: Carrying Case

99 No case
01 Value Case
02 Pelican Case

JJ: Calibration Accessories Kits

(see option II: for carrying case)

REGULATOR ONLY (includes FEP Tubing)

99 None
01 2AL .5 lpm bullet
02 7HP .5 lpm bullet
03 2AL .5 lpm regulator w/ gauge
04 7HP.5 lpm regulator w/gauge
05 2AL 1 lpm regulator w/ gauge
06 .5L Demand Flow Regulator 2AL
07 .5L Demand Flow Regulator 7HP
08 1L Demand Flow Regulator 2AL
09 1L Demand Flow Regulator 7HP

GOOD Kit (Includes: Regulator *without gauge*, FEP tubing, and specified calibration gas cylinder)

10 34L LEL/CO/H2S (2AL) Calibration Gas
11 58L LEL/CO/H2S (2AL) Calibration Gas
12 34L LEL/CO (7HP) Calibration Gas
13 103L LEL/CO (7HP) Calibration Gas
14 34L LEL/H2S (2AL)Calibration Gas
15 58L LEL/H2S (2AL) Calibration Gas

BETTER Kit (Includes: Regulator *with gauge*, FEP tubing, and specified calibration gas cylinder)

16 34L LEL/CO/H2S (2AL) Calibration Gas
17 58L LEL/CO/H2S (2AL) Calibration Gas
18 34L LEL/CO (7HP) Calibration Gas
19 103L LEL/CO (7HP) Calibration Gas
20 34L LEL/H2S (2AL) Calibration Gas
21 58L LEL/H2S (2AL) Calibration Gas

BEST Kit Auto turn on (Scout must have pump) . (Includes: Demand Flow Regulator, FEP tubing, and specified calibration gas cylinder)

22 34L LEL/CO/H2S (2AL) Calibration Gas
23 58L LEL/CO/H2S (2AL) Calibration Gas
24 34L LEL/CO (7HP) Calibration Gas
25 103L LEL/CO (7HP) Calibration Gas
26 34L LEL/H2S (2AL) Calibration Gas
27 58L LEL/H2S (2AL) Calibration Gas

END

Download the Scout Order & Configuration Guide at www.ScottScout.com

Specifications

Case Material _____ Magnum™ ABS with Nickel Plating

Dimensions (L x H x W) _____ 7 1/2" x 2 5/8 x 4"
19cm x 6.6 cm x 10 cm

Weight _____ 24 oz (.7 kg) Alkaline version with batteries

Power Source _____ 3 C-Cell Battery Pack or 3 Li-Ion Cell Battery Pack

Instrument Temperature Range _ -40°F to 122°F
-20°C to +50°C

Instrument Humidity Range _____ 0 to 99% RH non condensing

Battery Life _____ 50 Hour average, 70 Hour with out pump

Pump

Typical Flow Rate _____ 500 ml/pm
Max Hose Length _____ 100 ft with 1/8" ID Tubing
Max Draw Vacuum _____ 12" H_2O
Alarm Flow Rate _____ .250mlpm

Sensor Range and Resolution

Gas	Range PPM
Ammonia Sensor (NH_3)	0- 200
Carbon Monoxide Sensor (CO)	0-500
Chlorine Sensor (Cl_2)	0-25
Chlorine Dioxide Sensor (ClO_2)	0-100
Hydrogen Cyanide Sensor (HCN)	0-100
Hydrogen Sulfide Sensor (H_2S)	0-100
Nitrogen Dioxide Sensor (NO_2)	0-150
NitricOxide Sensor (NO)	0-999
Oxygen Sensor (O_2)	0-25
Phosphine Sensor (PH_3)	0-20
Sulfur Dioxide Sensor (SO_2)	0-100
Value2 CO& H_2S Sensor	
Carbon Monoxide	0-999
Hydrogen Sulfide	0-500

Other Products From SCOTT INSTRUMENTS

Mini-SA®

Developed to provide practical, portable gas detection, the Mini-SA's super-compact, feather-light design conveniently clips on to a users belt or lapel. The Mini-SA uses a large, easy-to-read LCD and simple two-button operation. Auto-configuring sensors are interchangeable.

AutoStep® *Plus*

Measure accutely toxic gases down to PPB levels . The AutoStep Plus combines state-of-the-art optics with paper-tape technology to permit portable detection of acutely toxic gases while virtually eliminating the need for frequent calibration.

Chlorine, Formaldehyde, Hydrazine, Hydrides, Hydrogen Chloride, Isocyanate compounds, Mono Methyl-Hydrazine, and Phosgene

QuadScan II® Four Gas Receiver

A versatile, easy-to-install, wallmount 1 to 4 channel receiver. QuadScan II accepts any 4-20 MA input and a large backlit display provides individual readout of each channel's status. Includes common Alarm, Warn, Fail and Horn relays while the optional relay package offers 8 individual relays that are completely user programmable and assignable. Individual relays can be configured for "voting and zoning logic"

tyco
Scott Technologies, Inc.

SCOTT INSTRUMENTS

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