# Contents

Warnings and Cautionary Statements ........................................................................................................... v
Product Information ............................................................................................................................................... 1
  Overview ......................................................................................................................................................... 1
  Key Features .................................................................................................................................................. 1
  Certification Summary .................................................................................................................................. 2
  Compatibilities ............................................................................................................................................... 3
  Specifications .................................................................................................................................................. 4
  Hardware Overview ...................................................................................................................................... 9
Setup, Operation, and Service ............................................................................................................................ 11
  Setup ............................................................................................................................................................. 11
    Unpack ......................................................................................................................................................... 11
    Customer-supplied equipment and services ............................................................................................. 11
    Site considerations and setup .................................................................................................................. 11
    Instruction ................................................................................................................................................. 12
  Operation ....................................................................................................................................................... 14
  Service ........................................................................................................................................................... 15
Warranty ........................................................................................................................................................... 16
  Limitation of Liability ................................................................................................................................. 16
  Contact Information .................................................................................................................................... 17
Tables and figures

Table 1.1 ISERTPS and IS Cable hazardous area certifications .............................................................. 2
Table 1.2 ISERTPS compatibilities ........................................................................................................ 3
Table 1.3 ISERTPS and IS Cable specifications ....................................................................................... 4
Table 1.4 ISERTPS input and output parameters ..................................................................................... 5
Figure 1.1 Control drawing 1810D9387-200 revision 3 ....................................................................... 6
Figure 1.2.A Control drawing 1810D9509-200 revision 1 .................................................................... 7
Figure 1.2.B Control drawing 1810D9509-200 revision 1 .................................................................... 8
Figure 1.3 Hardware overview ................................................................................................................. 9
Table 2.1 Package contents ....................................................................................................................... 11
Figure 2.1 ISERTPS Setup ...................................................................................................................... 13
Figure 2.2 Disconnecting the ISERTPS (Radius BZ1 shown) ................................................................. 14
Table 2.3 Intrinsically safe extended run time power-supply accessories ............................................... 15
Figure 2.3 Port cap replacement ............................................................................................................. 15
Warnings and Cautionary Statements

⚠️ IMPORTANT: Failure to perform certain procedures or note certain conditions may impair the performance of this product. For maximum safety and optimal performance, please read and follow the procedures and conditions listed below.

⚠️ IMPORTANT: Read and understand this manual before operating.

⚠️ IMPORTANT: There are no user serviceable parts contained inside.

⚠️ IMPORTANT: It is the responsibility of the end user to select and install the correct grounded AC plug for the AC power and hazardous location rating as defined by the local Authority having Jurisdiction (AHJ).

⚠️ IMPORTANT: Install this device with a grounded plug and power circuit.

⚠️ IMPORTANT: The output short-circuit protection is a fuse. Do not expose the DC output cable to a direct short circuit or electrostatic discharge.

⚠️ IMPORTANT: Only clean using a damp cloth.

⚠️ IMPORTANT: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense. The instrument complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Changes or modification made that are not expressly approved by the manufacturer could void the user’s authority to operate the equipment.

⚠️ IMPORTANT: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

⚠️ IMPORTANT: Refer to control drawing for approved Industrial Scientific accessories for hazardous location installation parameters.

⚠️ IMPORTANT: Reportez-vous au dessin de contrôle pour les accessoires scientifiques industriels approuvés pour les paramètres d'installation de localisation dangereuse.

⚠️ WARNING: FLYING LEADS MUST BE PROTECTED FROM PHYSICAL DAMAGE.

⚠️ WARNING: AC POWER LEADS MUST BE TERMINATED IN A SUITABLE CERTIFIED TERMINAL ENCLOSURE OR PLUG OR IN A DESIGNATED SAFE AREA PRIOR TO USE.

⚠️ WARNING: ENSURE THAT THE AC POWER INPUT CABLE IS ADEQUATELY CLamped AND SUPPORTED UPON INSTALLATION.

⚠️ WARNING: DO NOT OPEN, MAINTAIN OR SERVICE IN AN AREA WHERE AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.

⚠️ AVERTISSEMENT : NE PAS OUVRIR, MAINTENIR OU SERVICE DANS UNE ZONE OU UNE ATMOSPHERE EXPLOSIVE PEUT ETRE PRESENTEE.

⚠️ WARNING: EXPLOSION HAZARD. DO NOT REMOVE OR REPLACE LAMPS, FUSES OR PLUG-IN MODULES (AS APPLICABLE) UNLESS POWER HAS BEEN DISCONNECTED OR THE AREA IS FREE OF IGNITIBLE
CONCENTRATIONS.

**AVERTISSEMENT**: RISQUE D'EXPLOSION. NE PAS RETIRER OU REMPLACER LES LAMPE, LES FUSIBLES OU LES MODULES PLUG-IN (SANS APPLICABLE) À MOINS QUE LA PUISSANCE A ÉTÉ DÉCONNECTEE OU LA ZONE EST LIBRE DE CONCENTRATIONS IGNITABLES.

⚠️ **WARNING** - EXPLOSION HAZARD, AC INPUT POWER CONNECTIONS TO ONLY BE MADE WITH AC POWER PLUG RATED FOR THE HAZARDOUS LOCATION. READ AND UNDERSTAND MANUAL FOR INSTALLATION INSTRUCTIONS.

**AVERTISSEMENT** - RISQUE D'EXPLOSION, CONNEXIONS D'ALIMENTATION D'ENTRÉE D'AC À SEULEMENT FABRIQUE AVEC PLAQUE D'ALIMENTATION ÉLECTRIQUE ÉNONCÉE POUR LA LOCALISATION DANGEREUSE. LIRE ET COMPRENDRE MANUEL D'INSTRUCTIONS D'INSTALLATION.

⚠️ **WARNING**: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY AND MAY CAUSE AN UNSAFE CONDITION.

**AVERTISSEMENT**: LA SUBSTITUTION DES COMPOSANTS PEUT IMPAIR LA SÉCURITÉ INTRINSÉQUE ET PEUT ENTRAÎNER UN CONDITION NON SUSCEPTION.

⚠️ **CAUTION**: For safety reasons, this equipment must be operated and serviced by qualified personnel only. Read and understand the instruction manual completely before operating or servicing.

⚠️ **ATTENTION**: Pour des raisons de sécurité, cet équipement doit être utilisé et réparé uniquement par un personnel qualifié. Étudier le manuel d'instructions en entier avant d'utiliser, d'entretenir ou de réparer l'équipement.
Overview

The Intrinsically Safe Extended Run Time Power Supply (ISERTPS) is an AC to DC power converter. It is used with its compatible Intrinsic Safety Cable (IS Cable) to extend the run time of compatible Industrial Scientific products only. Designed for short-term (not permanent) installation or placement in the area classifications for which it is certified, the ISERTPS is transportable for easy deployment and site-to-site relocation.

Key Features

The ISERTPS has the following protection features.

- Overcurrent protection: limited to 0.980 amperes.
- Overvoltage protection: limited to 16.2 volts.
- Brownout protection: down to 85 VAC input.

The ISERTPS can be vertically wall- or pole-mounted, horizontally mounted or secured to a flat, stable surface, or placed on the ground. It has six fastener openings, four that accommodate bolts and two that accommodate straps.
# Certification Summary

Hazardous area certifications known at the time of this document's publication are listed below in Table 1.1.

## Table 1.1 ISERTPS and IS Cable hazardous area certifications

<table>
<thead>
<tr>
<th>Certifying Body</th>
<th>Area Classification&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Approved Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSA (US)</td>
<td></td>
<td>−20 °C to +55 °C (−4 °F to +131 °F)</td>
</tr>
<tr>
<td>Intrinsically Safe Extended Runtime Power Supply (ISERTPS)</td>
<td>Class I, Division 2, Groups A, B, C, D T4 (with I.S. Output for Div 1 locations)</td>
<td></td>
</tr>
<tr>
<td>Intrinsic Safety Cable (IS Cable)</td>
<td>Div 1</td>
<td></td>
</tr>
<tr>
<td>CSA (Canada)</td>
<td></td>
<td>−20 °C to +55 °C (−4 °F to +131 °F)</td>
</tr>
</tbody>
</table>
| Intrinsically Safe Extended Runtime Power Supply (ISERTPS) | Ex nA [ia Ga] IIC T4 Gc  
CLASS I, ZONE 2, AEx nA [ia Ga]  
IIC T4 Gc  
Ex ec [ia Ga] IIC T4 Gc  
CLASS I, ZONE 2, AEx ec [ia Ga]  
IIC T4 Gc | |
| Intrinsic Safety Cable (IS Cable)       | Zone 0/1                                                                                         | |

<sup>a</sup>To determine the hazardous-area classifications for which a unit is certified, refer to its label.
**Compatibilities**

The unit’s *ac input cord* can be connected to a customer-supplied, compatible power plug, which can be plugged into a compatible power receptacle.

The unit’s *intrinsic safety output cable assembly* features a port that accepts the connector on the compatible IS Cable from Industrial Scientific, which can be connected to a compatible Industrial Scientific product.

**Table 1.2 ISERTPS compatibilities**

<table>
<thead>
<tr>
<th>Item</th>
<th>Purpose</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Industrial Scientific products</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radius® BZ1 Area Monitor  with Intrinsic Safety Cable (part number 17156261)</td>
<td>Connects the power supply to the Radius BZ1.</td>
<td>See the <em>Product Manual</em> (part number 17155915) for the Radius BZ1 Area Monitor.</td>
</tr>
<tr>
<td>RGX™ Gateway with Intrinsic Safety Cable Adapter (part number 18109575) and Intrinsic Safety Cable (part number 17156261)</td>
<td>Connects the power supply to the RGX Gateway.</td>
<td>See the <em>Product Manual</em> (part number 17158071) for the RGX Gateway.</td>
</tr>
<tr>
<td><strong>Customer-supplied equipment and services</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazardous location arc-proof, grounded ac power plug</td>
<td>Facilitates the connection of the ISERTPS ac input cord to a 90–250 VAC electrical receptacle</td>
<td>Must be suitable for a 90–250 VAC power source that is certified for use in the area classification for which the ISERTPS unit is certified, and must meet the requirements of the Authority Having Jurisdiction (AHJ).</td>
</tr>
<tr>
<td>90–250 VAC electrical receptacle</td>
<td>Supplies power to the ISERTPS unit</td>
<td>The power source branch-breaker rating must not exceed 20 amperes and must meet the requirements of the AHJ.</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Mounting</td>
<td>Four round fastener openings 7.14 mm diameter accommodate 7 mm bolts. Two rectangular openings accommodate mounting straps.</td>
</tr>
</tbody>
</table>
Specifications

The data supplied in tables 1.3 and 1.4 and figures 1.1, 1.2, and 1.3 are provided to support the successful setup and operation of the ISERTPS.

Table 1.3 ISERTPS and IS Cable specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (length x width x depth)</td>
<td>35 cm x 31.15 cm x 12.98 cm (13.78 ” x 12.26 ” x 5.11 “); excludes lengths of AC input cord and output cables</td>
</tr>
<tr>
<td>Weight</td>
<td>7.3 kg (16.1 lb) without IS Cable</td>
</tr>
<tr>
<td></td>
<td>10.2 kg (22.5 lb) with IS Cable</td>
</tr>
<tr>
<td>Materials</td>
<td>Fiberglass reinforced polyester with bare aluminum cover and bare aluminum back panel</td>
</tr>
<tr>
<td>Ingress protection</td>
<td>IP54</td>
</tr>
<tr>
<td>Wet location rated</td>
<td>Yes</td>
</tr>
<tr>
<td>AC input cord</td>
<td>3 conductor, 12 ga flexible heavy-usage rated</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Length</td>
<td>5 m (16.4 ‘)</td>
</tr>
<tr>
<td>Wires</td>
<td>3 wires: green wire (Earth Safety Ground) black wire (line 1), and white wire (line 2 or neutral)</td>
</tr>
<tr>
<td>Output cables</td>
<td>Two: blue cables with black connectors and tethered connector cap(s)</td>
</tr>
<tr>
<td>Intrinsic Safety output cable</td>
<td>2 conductor, factory-installed for connection only to approved Industrial Scientific Corporation products</td>
</tr>
<tr>
<td>Intrinsic Safety cable</td>
<td>50 m (164 ’) long</td>
</tr>
<tr>
<td>Buttons</td>
<td>None</td>
</tr>
<tr>
<td>Indicators</td>
<td>None</td>
</tr>
<tr>
<td>Operating conditions</td>
<td></td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>Not in direct sunlight: –20 °C to +55 °C (–4 °F to +131 °F)</td>
</tr>
<tr>
<td></td>
<td>In direct sunlight: –20 °C to +40 °C (–4 °F to +104 °F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>20–90% relative humidity (RH) noncondensing (continuous)</td>
</tr>
<tr>
<td>Altitude</td>
<td>Use only at altitudes of less than 2000 m (6560 ’)</td>
</tr>
<tr>
<td>Installation conditions</td>
<td>Pollution Degree 2</td>
</tr>
<tr>
<td></td>
<td>Installation Category II</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>–40 °C to +75 °C (–40 °F to +167 °F)</td>
</tr>
<tr>
<td>Item</td>
<td>Value</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td><strong>Input parameters</strong></td>
<td></td>
</tr>
<tr>
<td>Input voltage range</td>
<td>90–250 VAC</td>
</tr>
<tr>
<td>Input frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Maximum steady-state current</td>
<td>0.31–0.63 A</td>
</tr>
<tr>
<td>Power-source branch breaker</td>
<td>Rating must not exceed 20 A</td>
</tr>
<tr>
<td><strong>Output parameters</strong></td>
<td></td>
</tr>
<tr>
<td>Open-circuit voltage</td>
<td>$+12.50 \text{ VDC } \pm 0.1%$ (factory adjusted)</td>
</tr>
<tr>
<td>Loaded output current</td>
<td>150 mA minimum at 8.50 V</td>
</tr>
<tr>
<td>$U_o$</td>
<td>16.2 VDC</td>
</tr>
<tr>
<td>$I_o$</td>
<td>0.980 A</td>
</tr>
<tr>
<td>$P_o$</td>
<td>2,200 mW</td>
</tr>
<tr>
<td>$C_a$</td>
<td>0.62 $\mu$ F</td>
</tr>
<tr>
<td>$L_a$</td>
<td>0.093 mH</td>
</tr>
</tbody>
</table>

*Note:* When added together, the $L_i$ and $C_i$ entity parameters of the compatible Industrial Scientific power-supply accessory plus the total from the IS Cable must not exceed the power supply entity parameters for $L_o$ and $C_o$. Refer to control drawings 1810D9387-200 in Figure 1.1 and 1810D9509-200 in Figures 1.2.A and 1.2.B..
Figure 1.2.A Control drawing 1810D9509-200 revision 1
Figure 1.2.B Control drawing 1810D9509-200 revision 1
Hardware Overview

The main components of the ISERTPS are shown below and referred to throughout this manual.

Fastener openings
- 4 round: 7.14 mm diameter openings accommodate 7 mm bolts
- 2 rectangular openings accommodate straps

Intrinsic Safety (IS) output cable assembly
- Cable gland
- Cable port
- Port cap, tethered

Back (not shown)

Top (not shown)

Front

Cover

Enclosure

Bottom

Cord gland

AC input cord (yellow)

IS Cable

AC input cord (yellow)
- Green wire (Earth Safety Ground)
- Black wire (line 1)
- White wire (line 2 or neutral)

Figure 1.3 Hardware overview
Setup, Operation, and Service

Setup

Only qualified personnel should complete setup.

Unpack

Each ordered item should be accounted for during the unpacking process. If any item is missing or appears to have been damaged, contact Industrial Scientific (see back cover) or an authorized distributor of Industrial Scientific products.

Table 2.1 Package contents

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>As ordered</td>
<td>Intrinsically Safe Extended Run Time Power Supply (ISERTPS)</td>
<td>—</td>
</tr>
<tr>
<td>As ordered</td>
<td>Intrinsic Safety Cable (IS Cable)</td>
<td>—</td>
</tr>
<tr>
<td>1</td>
<td>Insert</td>
<td>Warnings and Cautionary Statements</td>
</tr>
</tbody>
</table>

Customer-supplied equipment and services

Use of the ISERTPS requires the customer acquisition and connection of a compatible electrical power plug, the mounting or placement of the unit, and the provision of a compatible electrical receptacle. Ensure the completion of these tasks and all customer-supplied equipment, services, and tools comply with and are used in ways that meet any restrictions imposed by the hazardous location; local, state, or national codes, regulations, standards, permits, or other requirements; and the AHJ.

Site considerations and setup

To help prevent injury and damage to the equipment, generally handle the unit with care and avoid dropping it. If dropped, inspect all aspects of the unit for damage; if any damage is detected, replace the unit.
Choose an installation location for the ISERTPS that facilitates the desired placement: vertically mounted on a pole or wall, horizontally secured to a flat, stable surface, or placed on ground. Ensure the location achieves the following:

- Meets all product specifications for operation such as ambient temperature and humidity. Note the reduced upper-limit temperature for a unit that is placed in direct sun.
- Provides a mounting surface that permits the recommended use of all four bolt openings or both mounting strap openings, depending on the mounting choice.
- Ensures the mounting (or placement) surface, with the customer-supplied mounting equipment, will support the product’s full weight.
- Provides proximity for the product’s ac input cord to reach a hazardous-location receptacle that meets all product specifications such as voltage requirements and that meets the requirements of the AHJ.
- Permits the cord and cable to extend—without incurring sideways or lateral forces—from the unit to the electric receptacle and the compatible Industrial Scientific product, respectively.
- Situates the unit and its cable and cord connections away from standing water or accumulating snow.
- Permits the secure placement of the unit, cord, and cable in a manner that helps prevent injury, damage to the equipment, or excessive strain to the cord or cables.

Instruction

Follow the instruction provided below in Figures 2.1 and 2.2, respectively, to set up and disconnect the ISERTPS.

**Install plug**

**Mount, then power on the unit**

**Connect IS Cable to unit**

At the end of the cable assembly, turn the port cap counterclockwise to expose the port for use.

Leave the cap tethered to the assembly to help prevent loss of the item.

Note: When not in use, cap the port.

This work is to be completed only by qualified personnel and meet the approval of the AHJ.

- Connect the customer-supplied compatible electrical plug to the unit’s ac input cord.
- Secure the unit to the surface on which it is to be mounted or placed. Four round and two rectangular fastener openings are available for use.
- To power on the unit, plug it into the compatible outlet.
Connect the IS Cable to the port and turn its swivel connector clockwise (approximately 45°) until it clicks closed.

Connect IS Cable to the compatible Industrial Scientific product

Radius BZ1

Turn the port cap counterclockwise to expose the port for use.

Leave the cap tethered to the product to help prevent loss of the item.

Connect the IS Cable to the port and turn its swivel connector clockwise (approximately 45°) until it clicks closed.

If connected to a Radius BZ1 Area Monitor, verify that the power-supply symbol (✔️) is featured on the instrument's display. This symbol indicates the instrument is receiving power.

RGX Gateway

Connect the IS Cable to the RGX IS Cable Adapter.

Turn its swivel connector clockwise (approximately 45°) until it clicks closed.

Remove the IS Power port cap and connect the IS Cable Adapter.

Turn its swivel connector clockwise (approximately 45°) until it clicks closed or a full-stop connection impact is felt.

Verify the charging status indicator light is on.

Figure 2.1 ISERTPS Setup
The IS Cable can be disconnected from and connected to any compatible Industrial Scientific product in-field. This allows one product to be removed from service as another is put into service.

Disconnect the cable from the compatible Industrial Scientific product: turn its swivel connector counterclockwise (approximately 45°).

Cap the port: push the cap slightly, then turn its swivel connector clockwise (approximately 45°) until it clicks closed.

If the cable is not to be connected to another compatible Industrial Scientific product, disconnect it from the ISERTPS: turn its swivel connector counterclockwise (approximately 45°).

Cap the cable port on the ISERTPS: push the cap slightly, then turn its swivel connector clockwise (approximately 45°) until it clicks closed.

Figure 2.2 Disconnecting the ISERTPS (Radius BZ1 shown)

Operation

The ISERTPS has no status lights or power indicators.

- To cycle power, disconnect the plug from its receptacle.
- If connected to a Radius BZ1, periodically check the instrument's display screen—during operation—for the presence of the power-supply symbol (>.</p>
- If connected to an RGX Gateway, check the RGX’s charging-status indicator light, it will remain on while the ISERTPS is connected.

When the IS Cable is not connected to the ISERTPS, cap the unit's cable port.

Use caution when touching the unit as it can become very hot depending on ambient temperature, exposure to direct sun, and other conditions.

Periodically inspect the ISERTPS and all aspects of its IS output cable assembly and ac input cord to detect possible physical damage. If any damage is observed, replace the unit. Likewise, inspect the IS Cable for possible damage and replace it when needed.

Note: The ISERTPS exterior, bare aluminum cover will darken and dull in appearance over time. These changes do not impact the performance or integrity of the materials.
Service

Service tasks that can be completed by Industrial Scientific customers are described in this "Product Manual." Table 2.3 indicates which accessories are customer replaceable. All other service tasks should be performed only by Industrial Scientific or an authorized service center.

Table 2.3 Intrinsically safe extended run time power-supply accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Orderable part number</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intrinsic Safety Cable</td>
<td>17156261</td>
<td>50 m IS cable (Connects the ISERTPS unit to a compatible Industrial Scientific product.)</td>
</tr>
<tr>
<td>Intrinsic Safety Power Port Cap</td>
<td>17155932</td>
<td>Replacement ISERTPS port cap</td>
</tr>
</tbody>
</table>

The ISERTPS aluminum cover, enclosure, and internal components are not customer serviceable. Do not remove the cover and do not open the enclosure. The tethered port cap is the only external customer-serviceable item on the ISERTPS. It can be reattached or replaced as shown below.

Figure 2.3 Port cap replacement
Warranty

Industrial Scientific Corporation’s Intrinsically Safe Extended Run Time Power Supply is warranted to be free from defects in material and workmanship for a period of two years after purchase.

Limitation of Liability

THE WARRANTY SET FORTH ABOVE IS STRICTLY LIMITED TO ITS TERMS AND IS IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW, COURSE OF DEALING, USAGE OF TRADE OR OTHERWISE. INDUSTRIAL SCIENTIFIC MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

SHOULD THE PRODUCT FAIL TO CONFORM TO THE ABOVE WARRANTY, BUYER’S ONLY REMEDY AND INDUSTRIAL SCIENTIFIC’S ONLY OBLIGATION SHALL BE, AT INDUSTRIAL SCIENTIFIC’S SOLE OPTION, REPLACEMENT OR REPAIR OF SUCH NON-CONFORMING GOODS OR REFUND OF THE ORIGINAL PURCHASE PRICE OF THE NONCONFORMING GOODS.

IN NO EVENT WILL INDUSTRIAL SCIENTIFIC BE LIABLE FOR ANY OTHER SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR OTHER SIMILAR DAMAGES, INCLUDING LOSS OF PROFIT OR LOSS OF USE, ARISING OUT OF THE SALE, MANUFACTURE OR USE OF ANY PRODUCTS SOLD HEREUNDER WHETHER SUCH CLAIM IS PLEADED IN CONTRACT OR IN TORT, INCLUDING STRICT LIABILITY IN TORT AND WHETHER INDUSTRIAL SCIENTIFIC HAS BEEN ADVISED OF THE POTENTIAL FOR SUCH DAMAGES. Industrial Scientific’s total liability hereunder from any cause whatsoever (except liability from personal injury caused by Industrial Scientific’s negligence), whether arising under contract, warranty, tort (including negligence), strict liability, products liability or any other theory of liability, will be limited to the lesser of Buyer’s actual damages or the price paid to Industrial Scientific for the Products that are the subject of Buyer’s claim. All claims against Industrial Scientific must be brought within one year after the cause of action arises, and Buyer expressly waives any longer statute of limitations.

It shall be an express condition to Industrial Scientific's warranty that all products be carefully inspected for damage by Buyer upon receipt, be properly calibrated for Buyer’s particular use, and be used, repaired, and maintained in strict accordance with the instructions set forth in Industrial Scientific’s product literature. Repair or maintenance by non-qualified personnel will invalidate the warranty, as will the use of non-approved consumables or spare parts. As with any other sophisticated product, it is essential and a condition of Industrial Scientific's warranty that all personnel using the products be fully acquainted with their use, capabilities and limitations as set forth in the applicable product literature.

Buyer acknowledges that it alone has determined the intended purpose and suitability of the goods purchased. It is expressly agreed by the parties that any technical or other advice given by Industrial Scientific with respect to the use of the goods or services is given without charge and at Buyer’s risk; therefore, Industrial Scientific assumes no obligations or liability for the advice given or results obtained.
Contact Information

Industrial Scientific Corporation
1 Life Way
Pittsburgh, PA 15205-7500 USA
Web: www.indsci.com
Phone: +1 412-788-4353 or 1-800-DETECTS (338-3287)
E-mail: info@indsci.com
Fax: +1 412-788-8353

Industrial Scientific France S.A.S.
5 Rue Frédéric Degeorge, CS 80097
62002 Arras Cedex, France
Web: www.indsci.com
Téléphone : +33 (0)1 57 32 92 61
E-mail: info@eu.indsci.com
Fax: +33 (0)1 57 32 92 67

英思科传感仪器（上海）有限公司
地址：中国上海市浦东金桥出口加工区桂桥路290号
邮编：201206
电话：+86 21 5899 3279
传真：+86 21 5899 3280
E-mail：info@ap.indsci.com
网址：www.indsci.com
服务热线：+86 400 820 2515

To locate a nearby distributor of our products or an Industrial Scientific service center or business office, visit us at www.indsci.com.

Rendez-vous sur notre site Web www.indsci.com, si vous voulez trouver un distributeur de nos produits près de chez vous, ou si vous recherchez un centre de service ou un bureau Industrial Scientific.


Para buscar un distribuidor local de nuestros productos o un centro de servicio u oficina comercial de Industrial Scientific, visite www.indsci.com.

如需查找就近的产品经销商或 Industrial Scientific 服务中心或业务办事处，请访问我们的网站 www.indsci.com