



User's Manual

IMPORTANT

- Read this manual and the user manual enclosed with the model thoroughly, and do not perform installation, operation, maintenance, or inspection unless you fully understand all of the contents.
- Keep this manual and the user manual in a safe place where you can refer to it easily while installing, operating, and carrying out maintenance or inspections.

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PRECAUTION SYMBOLS

This machine is manufactured for use according to proper procedures by a qualified person and only for the purposes described in this manual. The following conventions are used to indicate and classify precautions depending on the level of danger, or seriousness of potential injury. Always heed the information provided in this manual. Failure to heed precautions can result in personal injury or property damage.

The following precaution symbols are used in this manual.

 WARNING	Indicates a potentially hazardous situation which, if not avoided, may result in serious injury or death. Additionally, there may be significant property damage.
 CAUTION	Indicates a potentially hazardous situation where, if not avoided, may result in minor or moderate injury or in property damage.

NOTICES

IMPORTANT NOTICE

Those who handle the machine must be aware of the hazards involved. These dangers may not be obvious, so it is imperative to follow the instructions detailed in this manual and the manual enclosed in CD when installing, operating, inspecting, or servicing the machine. Therefore, we recommend that you thoroughly read and understand these manuals before installing, operating, inspecting, or servicing the machine. ISHIDA is not liable for any damage, loss or injury that results from incorrect operation, insufficient caution, unauthorized modifications to the machine, or failure to follow the instructions contained in these manuals.

LIMITATIONS OF LIABILITY

ISHIDA assumes no responsibility for special, indirect, or consequential damages, loss of profits or commercial loss in any way connected with the machine, whether such claim is based on contract, warranty, negligence, or strict liability.

ISHIDA assumes no responsibility for the user's programming of this machine, or any consequence thereof. In no event shall ISHIDA be responsible for warranty, repair, or other claims regarding the machine unless ISHIDA's analysis confirms that the machines were properly handled, stored, installed, and maintained and not subject to contamination, abuse, misuse, or inappropriate modification or repair.

CHANGE IN SPECIFICATIONS

Machine specifications and accessories may be changed at any time due to improvements or other reasons. Consult with your ISHIDA representative at any time to confirm the actual specifications of the purchased machine.

ERRORS AND OMISSIONS

The information in this manual has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors, or omissions.

PRECAUTIONS FOR SAFE USE

It is strongly advised that the following safety measures must be observed to ensure the safe operation of the machine.

IMPORTANT

- Read this manual and the manual enclosed in CD or WEB thoroughly, and do not perform installation, operation, maintenance, or inspection unless you fully understand all of the contents.
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WARNING

- This product is a commercial scale which is not intended for use by children.
- It is not suitable for use in locations where children are likely to be present.
- Prepare a dedicated power source and always use a power supply with rated voltage. Never connect the machine power input with an AC power supply exceeding the rated voltage. To avoid any potential electrical shock, ensure that the protective ground wire is connected to the main grounding provision.
- A power supply that generates voltage variation may cause a malfunction, or using the machine outside of the rated voltage may result in machine failure or danger such as electric shock.
- The equipment disconnect device is considered to be: Plug, the socket-outlet shall be easily accessible.
- For telecommunication type connectors and terminals not used for connection to the telecommunication network. It should be intended to be used for Cash Drawer.
- Replacement of fuses is limited only by service personnel. Service personnel should refer to service documentation for instructions for the replacement.
- Replacement of Battery is limited only by service personnel.
- This product contains a battery. During using, storing, or transporting this product, do not place it in extremely hot or cold places, or at high altitude and low atmospheric pressure.
- Don't disposal of battery into fire or a hot oven.
- Don't leave the product including a battery in an extremely high temperature surrounding environment or the leakage of flammable liquid or gas.
* To Service personnel:
Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.
- Ce produit est une balance commerciale qui n'est pas destinée à être utilisée par des enfants. Il ne convient pas pour une utilisation dans des endroits où des enfants sont susceptibles d'être présents.
- Ce produit est à l'échelle commerciale et n'est pas destiné aux enfants.
- Utiliser une source d'alimentation dédié avec la tension recommandée. Ne raccordez jamais la balance avec une alimentation CA dépassant la tension recommandée. Pour éviter tout choc électrique, assurez-vous que le fil de la mise à la terre est raccordé au dispositif de la mise à la terre.
- Une alimentation qui génère une variation de tension peut occasionner un bris de la balance, ou connecter la balance avec une tension nominale hors norme peut entraîner une défaillance de la balance ou provoquer un choc électrique.
- Le dispositif de déconnexion de l'équipement est considéré comme : Fiche, la prise de courant doit être facilement accessible.
- Les connecteurs pour la télécommunication servent pour la connexion au réseau de télécommunication. Tous les autres terminaux servent pour connecter le tiroir-caisse.
- Le remplacement des fusibles ne doit être exécuté que par un technicien qualifié. Le technicien doit se référer à la documentation technique pour le remplacement.
- Le remplacement de la batterie rechargeable doit être exécuté par un technicien qualifié.
- Ce produit contient une batterie. Lors de l'utilisation, du stockage ou du transport de ce produit, ne le placez pas dans des endroits extrêmement chauds ou froids, ou à haute altitude et à basse pression atmosphérique.
- Ne jetez pas la batterie au feu ou dans un four chaud.
- Ne laissez pas le produit, y compris une batterie, dans un environnement environnant à température extrêmement élevée ou en cas de fuite de liquide ou de gaz inflammable.
* Note : importante au technicien :
Risque d'explosion si la batterie est remplacée par une batterie avec d'autres spécifications.

PRECAUTION REGARDING FCC RULE IN USA

Note: 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 his own expense.

PRECAUTION REGARDING WIRELESS MODULE

It is strongly advised that the following safety measures must be observed to ensure the safe operation of the machine in case that wireless module is installed.

For Canada / USA



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment complies with FCC/IC radiation exposure limits set forth for a controlled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles). Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

For below detachable antenna statement, only for hanging type electronic scale and only for IC:30176-UNI8H. *This radio transmitter 30176-UNI8H has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.*

The concrete contents to check are the following three points.

- 1) Must use antenna such as Dipole with gain not exceeding 4.41dBi;
- 2) Should be installed so that the end user cannot modify the antenna;
- 3) Feed line should be designed in 50ohm

Fine tuning of return loss etc. can be performed using a matching network.

Le présent émetteur radio **30176-UNI8H** a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Le contenu concret à vérifier sont les trois points suivants.

- 1) doit utiliser une antenne comme Dipôle avec pifa gain n'excédant pas 4.41 dBi
- 2) doivent être installés de façon que l'utilisateur final ne peut pas modifier l'antenne
- 3) La ligne d'alimentation doit être conçue en 50ohm

Le réglage précis de la perte de rendement, etc. peut être effectué en utilisant un réseau correspondant..