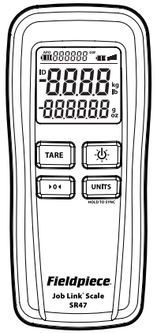
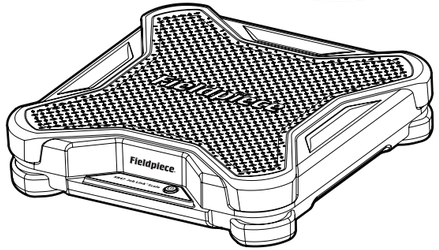
Fieldpiece

Wireless Refrigerant Scale

OPERATOR'S MANUAL

Model SR47





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Quick Start

1 Install the 9V battery into the remote display and 6 x AA batteries into the platform.
2 Press ⏻ for 1 second to turn on the platform.
3 Press ☼ for 1 second to turn on the display.
4 Read weight directly on the display.

Description

High capacity and rugged, the SR47 Wireless Refrigerant Scale combines best in class wireless electronics and rugged materials to perform at the high level you demand.

The platform is made of thick aluminum to maintain accuracy over the life of the product. Integrated rubber pad and bumpers protect the platform from impacts and accommodate large tanks. Electronics are sealed to block moisture from rain and splashes. The dual magnetic folding back mounts firmly to a condenser or anything metallic for easy display viewing.

View weights directly in the Fieldpiece Job Link® system mobile app or with your Fieldpiece digital manifold. Log and document refrigerant use in-app to comply with new standards (EPA Section 608).

Maintenance

CLEANING: Clean the exterior with a damp cloth. Do not use detergents or solvents.

BATTERIES: The batteries in the remote or platform must be replaced when its battery life indicator on the remote ▭ is empty. Remove rear battery cover and replace.

Buttons

⏻ Press for 1 second to power the platform on/off.

☼ Press for 1 second to power the remote on/off. Tap for backlight.

TARE Press for 1 second to tare tank for charging and recovering refrigerant.

▸0◂ Press for 1 second to zero. No weight should be on platform.

UNITS (HOLD TO SYNC) Tap to change units. Press for 1 second to search for available platforms to connect to.

Display Icons

APO	Auto power off enabled on platform
▭	Remote display battery life
▭ ▭	Platform battery life and wireless signal strength
GW	Gross weight
ID	4 digit ID indicator
lb	Pounds
kg	Kilograms
oz	Ounces
g	Grams

Specifications

Specifications good in ambient conditions of 73°F ±9°F (23°C ±5°C), <75% relative humidity
Over range: "OL" is displayed
Maximum load: 252.00 lbs (114.00 kg)
Max tank base diameter: 13 inches (33 cm)
Auto power off: 30 minutes of inactivity (no change in weight or buttons pressed), (APO can be disabled)
Backlight: Blue, turns off in 2 minutes if no buttons are pressed
Accuracy:
±0.03%rdg + 0.25 oz (10 g), 0 to 66 lbs (0 to 30 kg)
±0.05%rdg + 0.25 oz (10 g), 66 to 252 lbs (30 to 114 kg)
Resolution and units:
lb oz (0.25 oz), lb (0.1 lb), oz (0.3 oz),
kg g (10 g), kg (0.1 kg), g (10 g)
Temperature coefficient: 0.1 x (specified accuracy) per °F
Wireless range: 1000 feet (305 meters) line of sight. Obstructions affect distance.
Radio frequency: 2.4 GHz
Battery type:
Remote display: 9V, NEDA 1604, JIS 006P, IEC 6F22
Platform: 6 x AA, NEDA 15A, JIS UM3, IEC LR6
Battery life:
Remote display: 80 hours typical alkaline (backlight off)
Platform: 200 hours typical alkaline
Operating environment: 32°F to 122°F (0°C to 50°C) at <75% RH
Storage temperature: -4°F to 140°F (-20°C to 60°C), 0 to 80% RH (with battery removed)
Weight: Platform with battery 7 lbs (3190 g), Remote with battery 0.49 lbs (220 g)
Water resistant: IP54 (Platform), IP64 (Remote)

Functions

Weight Measurement

Your SR47 scale is designed to measure refrigerant tanks weighing up to 252 lbs. *Placing items over 252 lbs on the scale may damage the scale.*

1 Remove the scale from the padded case and place the platform on solid, level ground.
2 Press ⏻ for 1 second to turn on the platform.
3 Press ☼ for 1 second to turn on the display.
4 Press ZERO for 1 second to zero out the scale.
5 Set your tank on the platform and press TARE for 1 second to view only the change in refrigerant.
6 View the change in weight in real-time when charging or recovering refrigerant.

Backlight

Tap ☼ to turn on the blue backlight on the LCD. This is useful when the sun is going down on late day jobs or any dark situation. The backlight uses extra battery power than standard use.

Auto Power Off (APO)

If the weight is unchanged for 30 minutes, the platform will automatically power off.

To disable APO, while power is on tap ⏻ twice on the platform. The LED will briefly blink red and APO will not be shown on the display.

To enable APO, while power is on tap ⏻ twice on the platform. The LED will briefly shine red and APO will be shown on the display.

Syncing a Display to a Platform

The included remote display is setup to view the platform at the factory. You shouldn't ever need to re-sync them. You can sync two SR47 remote displays to a single SR47 platform if desired.

1 Press and hold UNITS button for 1 second.
2 The ID# of a detected platform will show. (This ID# is printed on the platform.)
3 Tap UNITS button to cycle through any other platforms detected.
4 Press and hold UNITS button for 1 second to select a platform.

Using the Job Link® system app and SMAN digital manifold as a display:

Link the SR47 to app or manifold to use as display.

Tech Tips

Respect the Environment

Always use hoses with ball valves or low-loss fittings to minimize harmful refrigerant gases entering the atmosphere.

Account for Your Hose Weight

Connect the hoses to the system and tank before zeroing the scale. After charge/recovery is finished and the system is stable, note the weight before removing hoses.

Use your Appropriate G-Value

Acceleration due to gravity in m/s2 (G-Value) varies slightly depending on your altitude and location. Here are few cities' examples:

Los Angeles (default)	9.796
New York City	9.802
Paris	9.809
Sydney	9.797
Denver	9.798

1 Hold UNITS while powering on display.
2 With the current G-Value showing, tap TARE and ▸0◂ to scroll up and down respectively.
3 Tap UNITS to save and exit.

Limited Warranty

This scale is warranted against defects in material or workmanship for one year from date of purchase from an authorized Fieldpiece dealer. Fieldpiece will replace or repair the defective unit, at its option, subject to verification of the defect.

This warranty does not apply to defects resulting from abuse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument.

Any implied warranties arising from the sale of a Fieldpiece product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. Fieldpiece shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim of such damage, expenses, or economic loss.

State laws vary. The above limitations or exclusions may not apply to you.

Obtaining Service

For international customers, warranty for products purchased outside of the U.S. should be handled through local distributors. Visit our website to find your local distributor.

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Certifications and Module IDs

EN 300 328

Regulatory Compliance Mark

RSR47D: 2ALHR010
SR47: 2ALHR011

Waste Electrical and Electronic Equipment

IC: Industry Canada
RSR47D: 22518-BT010
SR47: 22518-BT011

Restriction of Hazardous Substances Compliant

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

. Reorient or relocate the receiving antenna.
. Increase the separation between the equipment and receiver.
. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS-247 standard. 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.

IC Radiation Exposure Statement: This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator and your body.

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