



Instruction Manual

Valid as of: 01.09.2019 • Please keep the manual for future reference!



1 Warranty and Liability

In principle, the supply of the device is subject to our "General Conditions of Sale and Delivery." These have been provided to the operating company on conclusion of the contract, at the latest.

Warranty:

- SCHMIDT area weight balances are warranted for 12 months.

Parts subject to wear, electronic components and measuring springs are not covered by the warranty. No warranty or liability will be accepted for bodily injury or property damage resulting from one or several of the following causes:

- Misuse or abuse of the device.
- Improper mounting, commissioning, operation and maintenance of the device (e.g. verification interval).
- Operation of the device if any safeguards are defective or if any safety and protection precautions are not properly installed or not operative.
- Failure to comply with the notices in the Operating Instructions regarding transport, storage, mounting, commissioning, operation, maintenance and setup of the device.
- Any unauthorized structural alteration of the device.
- Insufficient inspection of device components that are subject to wear.
- Opening the device or improper repair work.
- Disasters caused by the effects of foreign objects or by force majeure.

1.1 Notices within the Operating Instructions

The fundamental prerequisite for the safe handling of this device and its troublefree operation is the knowledge of the basic safety notices and safety instructions.

These Operating Instructions contain the most important notices for the safe operation of the device.

These Operating Instructions, in particular the safety notices, must be observed by any person who works with the device. In addition, the local valid rules and regulations for the prevention of accidents must be complied with.

The representations within the Operating Instructions are not true to scale.

The dimensions given are not binding.

General indications of direction, such as FRONT, REAR, RIGHT, LEFT apply when viewing the front of the device.

1.2 Responsibilities of the Operating Company

In compliance with the EC Directive 89/655/EEC, the operating company agrees to only permit persons to work with the device who:

- are familiar with the basic regulations on industrial safety and accident prevention and who have been trained in handling the device.
- have read and understood the chapter on safety and the warning notices in these Operating Instructions and have confirmed this with their signatures.
- are examined regularly on their safe and conscientious working method.

1.3 Responsibilities of the Personnel

All persons who work with the device agree to perform the following duties before starting work:

- to observe the basic regulations on industrial safety and accident prevention.
- to read the chapter on safety and the warning notices in these Operating Instructions and to confirm with their signatures that they have understood them.

1.4 Informal Safety Measures

The Operating Instructions must always be kept on hand where the device is operated. Apart from the Operating Instructions, the general and local valid regulations on accident prevention and environmental protection must be provided and complied with.

1.5 Training of the Personnel

Only trained and instructed personnel is permitted to work with the device. The responsibilities of the personnel must be clearly defined for mounting, commissioning, operation, setup, maintenance, and repair. Trainees may only work with the device under the supervision of experienced personnel.

1.6 Intended Use

The device is intended exclusively to be used as a balance. Any other use or any use exceeding this intention will be regarded as misuse. Under no circumstances shall HANS SCHMIDT & Co GmbH be held liable for damage resulting from misuse.

The intended use also includes:

- Complying with all notices included in the Operating Instructions and observing all inspection and maintenance works.

1.7 Dangers in Handling the Device

The device was designed according to the state of the art and the approved safety standards. Nevertheless, its use may cause serious or fatal injury to the user or third persons, and/or an impairment of the device or of other material assets.

The device may only be applied:

- For its intended use in a faultless condition with regard to the safety requirements.
- Malfunctions that could impair safety must be remedied immediately.
- Personal protective equipment must be used according to the EC Directive 89/686/EEC.



The device must not be operated in potential explosive areas and must not come into contact with aggressive substances.

1.8 Copyright

The copyright on these Operating Instructions remains with the company HANS SCHMIDT & Co GmbH.

These Operating Instructions are intended for the operating company and its personnel only. They contain instructions and notices that may only be reproduced on the prior written permission of

HANS SCHMIDT & Co GmbH

and under indication of the complete reference data.

Violations will be prosecuted.

1.9 Declaration of Conformity, RoHs II and WEEE Registration

In compliance with the EU Directives 2014/30/EU and 2011/65/EU



HANS SCHMIDT & CO GmbH is registered in compliance with the German Electrical and Electronic Equipment Act (ElektroG) under WEEE Reg. No. DE 48092317.

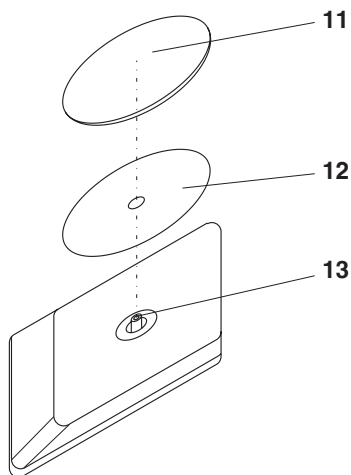
2 Specifications

Capacity (weight mode):	300 g
Capacity (area weight mode):	30 000 g/m ²
Sample size:	100 cm ²
Resolution (weight mode):	0.01 g
Resolution (area weight mode):	1g/m ²
Accuracy (weight mode):	± 0.01 g
Accuracy (area weight mode):	± 1 g/m ²
Platform size (mm):	120 ø
Power supply:	Rechargeable battery DC 9 V/500 mA 12 h continuous use, 10 h charging time
AC adapter:	100 - 240 V AC - 50/60 Hz
Temperature range:	15 - 40° C
Air humidity:	85% RH, max.
Weight (net / gross):	Approx. 1.7 kg / 2.7 kg
Dimensions (mm):	211 L x 185 W x 59 H

2.1 Delivery Includes

Balance
1 AC adapter, 100 - 240 V
1 Calibration weight 200 g
1 Operating Instructions
Test certificate not available.

2.2 Unpacking and Assembly



- Unpack the EAR-300.
- Inspect the EAR-300 for any shipping damage. Should you find any damage, immediately notify the vendor. Notices of defect must be filed immediately, in writing, at the latest within 7 days on receipt of the goods.

Assembly:

- Remove the rubber cap from the weighing shaft
- Carefully press the support plate **12** onto the weighing shaft **13**.
- Mount the support plate with the hexagon socket screw by using the hex-wrench with max. 0.2 Nm.
- Place the sample platform **11** on the support plate.

Removal:

- To remove the sample platform **11** and the support plate **12** proceed in the reverse order.



The support plate must be removed for transport to avoid damage of the balance.

3 Initial Setup and Operating Procedure

3.0 Notices Before Starting Measurement

Have you read and understood the Operating Instructions, in particular Chapter 1 “Basic Safety Notices”? You are not permitted to operate the device before doing so. Before working with the device you must put on your personal protective clothing, if necessary. For example, eye protectors, gloves, etc. The ID plate with the serial number is provided on the back side of the instrument and the CE mark as well.

3.1 Operating Elements

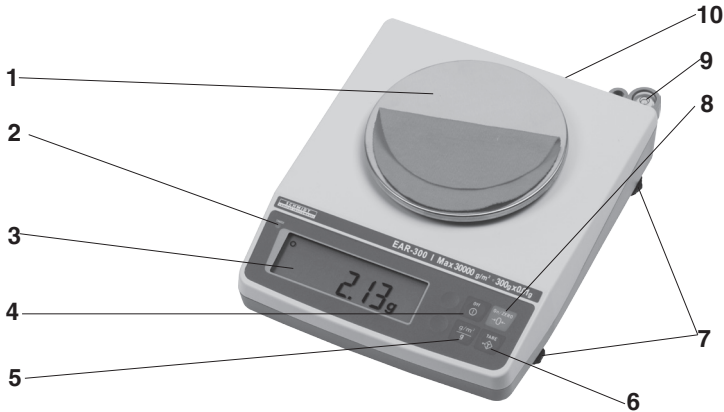


fig. 3.1

1	Platform	Sample measuring plate
2	Charge LED	Lights up while charging
3	Display	See Chapter 3.1.1
4	Off button	Switches the balance On
5	Mode button	Toggles between “g” and “g/m ² ”
6	Tare key	For determining the net weight with the packaging on
7	Base feet	4 adjustable feet at the bottom of the instrument
8	On/Zero key	For switching on and zero setting of the balance
9	Bubble level	For horizontal alignment of the balance
10	Connector	For connecting the AC adapter

3.1.1 Display Details

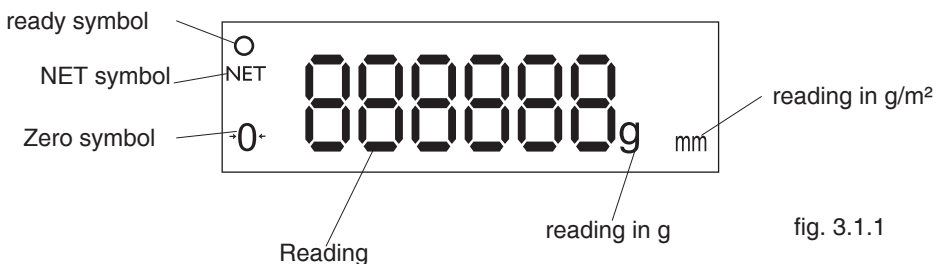


fig. 3.1.1