



**Defender® 6000 Indicators
Instruction Manual**

**Defender® 6000 Waagen
Bedienungsanleitung**

**Indicadores Defender® 6000
Manual de instrucciones**

**Manuel d'instructions sur les
indicateurs de Defender® 6000**

**Indicatori® Defender 6000
Manuale di istruzioni**

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1. INTRODUCTION

This manual contains installation, operation and maintenance instructions for i-DT61PW and i-DT61XWE indicators. Please read it completely before installation and operation.

1.1. Safety Precautions

Definition of Signal Warnings and Symbols

Safety notes are marked with signal words and warning symbols. These show safety issues and warnings. Ignoring the safety notes may lead to personal injury, damage to the instrument, malfunctions and false results.

| | |
|-----------|--|
| WARNING | For a hazardous situation with medium risk, possibly resulting in severe injuries or death if not avoided. |
| CAUTION | For a hazardous situation with low risk, resulting in damage to the device or the property or in loss of data, or minor or medium injuries if not avoided. |
| ATTENTION | For important information about the product. May lead to equipment damage if not avoided. |
| NOTE | For useful information about the product. |

Warning Symbols



General hazard



Explosion hazard



Electrical shock hazard

Safety Precautions



CAUTION: Read all safety warnings before installing, making connections, or servicing this equipment. Failure to comply with these warnings could result in personal injury and/or property damage. Retain all instructions for future reference.

- Before connecting power, verify that the AC adapter's input voltage range and plug type are compatible with the local AC mains power supply.
- Do not position the equipment such that it is difficult to reach the power connection.
- Only connect the power cord to a compatible grounded electrical outlet.
- Make sure that the power cord does not pose a potential obstacle or tripping hazard.
- Operate the equipment only under ambient conditions specified in these instructions.
- The equipment is for indoor use only.
- Do not operate the equipment in hazardous or unstable environments.
- Do not place the equipment upside down on the platform.
- Use only approved accessories and peripherals.
- Disconnect the equipment from the power supply when cleaning.
- Service should only be performed by authorized personnel.



WARNING: Never work in an environment subject to explosion hazards! The housing of the instrument is not gas tight. (Explosion hazard due to spark formation, corrosion caused by the ingress of gases).



WARNING: Electrical shock hazards exist within the housing. The housing should only be opened by authorized and qualified personnel. Remove all power connections to the unit before opening.

1.2. Intended Use

This instrument is intended for use in light industry. It must only be used for measuring the parameters described in these operating instructions. Any other type of use and operation beyond the limits of technical specifications, without written consent from OHAUS, is considered as not intended. This instrument complies with current industry standards and the recognized safety regulations; however, it can constitute a hazard in use. If the instrument is not used according to these operating instructions, the intended protection provided by the instrument may be impaired.

1.3. Overview of Parts and Controls

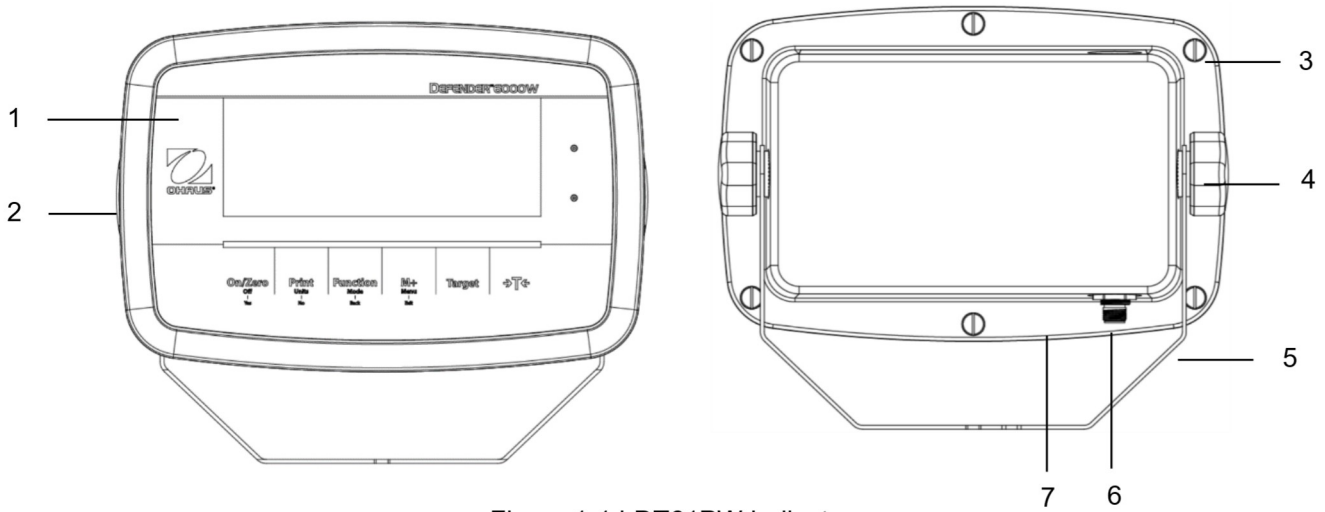


Figure 1-1 i-DT61PW Indicator

| Item | Description |
|------|---------------------|
| 1 | Control Panel |
| 2 | Front Housing |
| 3 | Screws (6) |
| 4 | Adjusting Knobs (2) |
| 5 | Mounting Bracket |
| 6 | Load Cell Connector |
| 7 | Rear Housing |

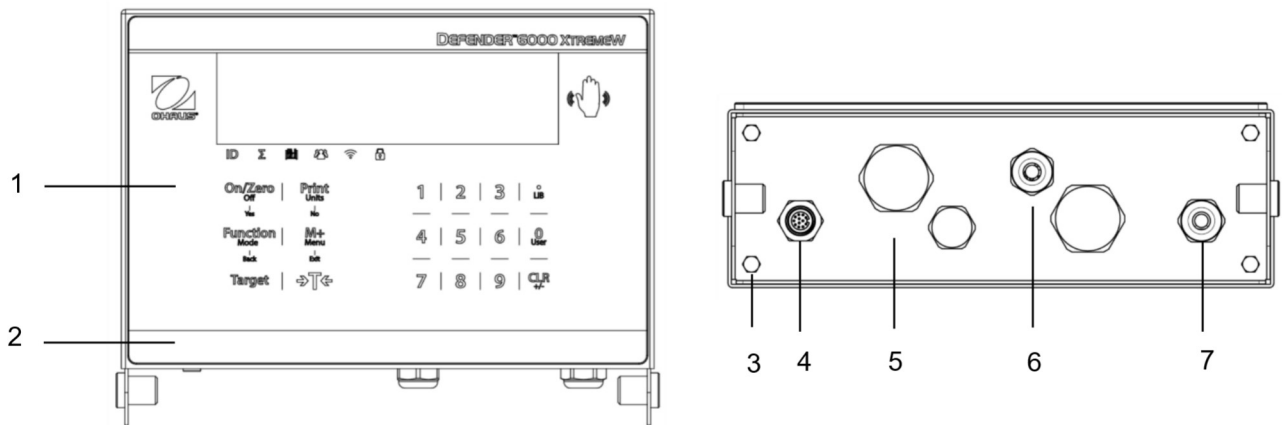
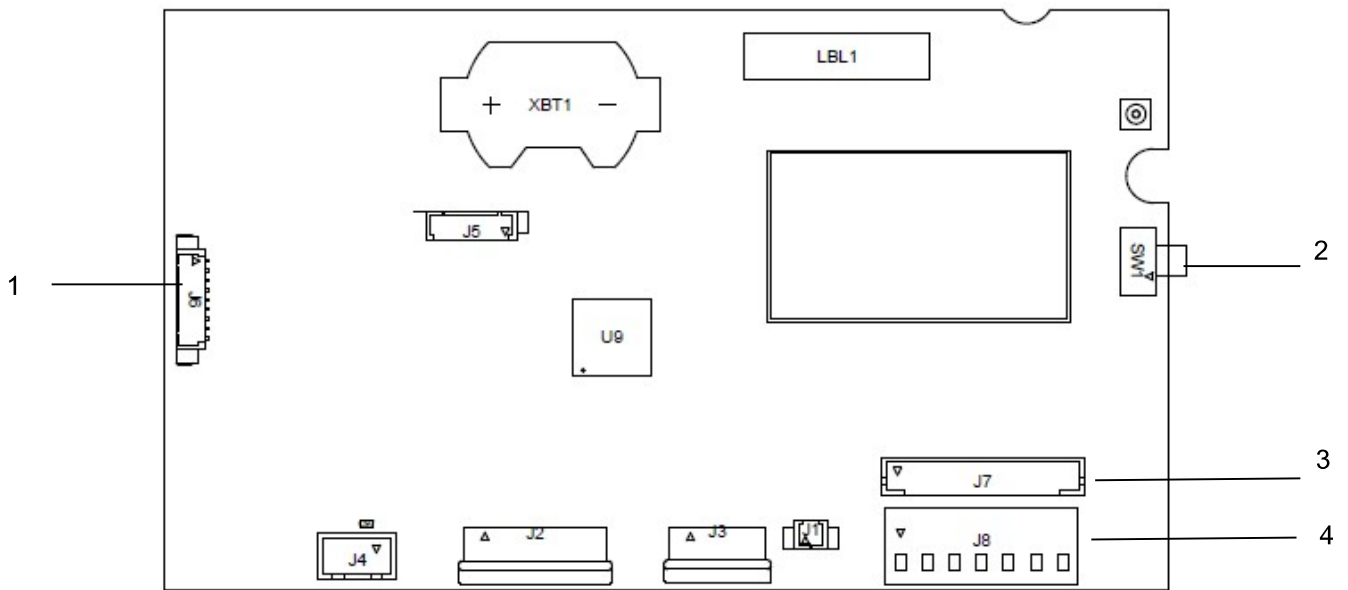


Figure 1-2 i-DT61XWE Indicator

| Item | Description |
|------|--------------------------|
| 1 | Control Panel |
| 2 | Front Housing |
| 3 | Screws (4) |
| 4 | Load Cell Connector |
| 5 | Bottom Housing |
| 6 | Strain Relief for Option |
| 7 | Power cord |

1.4. Mainboard



.Figure 1-3 i-DT61PW Mainboard

| Item | Description |
|------|---------------------------------|
| 1 | IR Communication connector (J6) |
| 2 | Security Switch (SW1) |
| 3 | Load Cell connector (J7) |
| 4 | Load Cell Terminal Block (J8) |

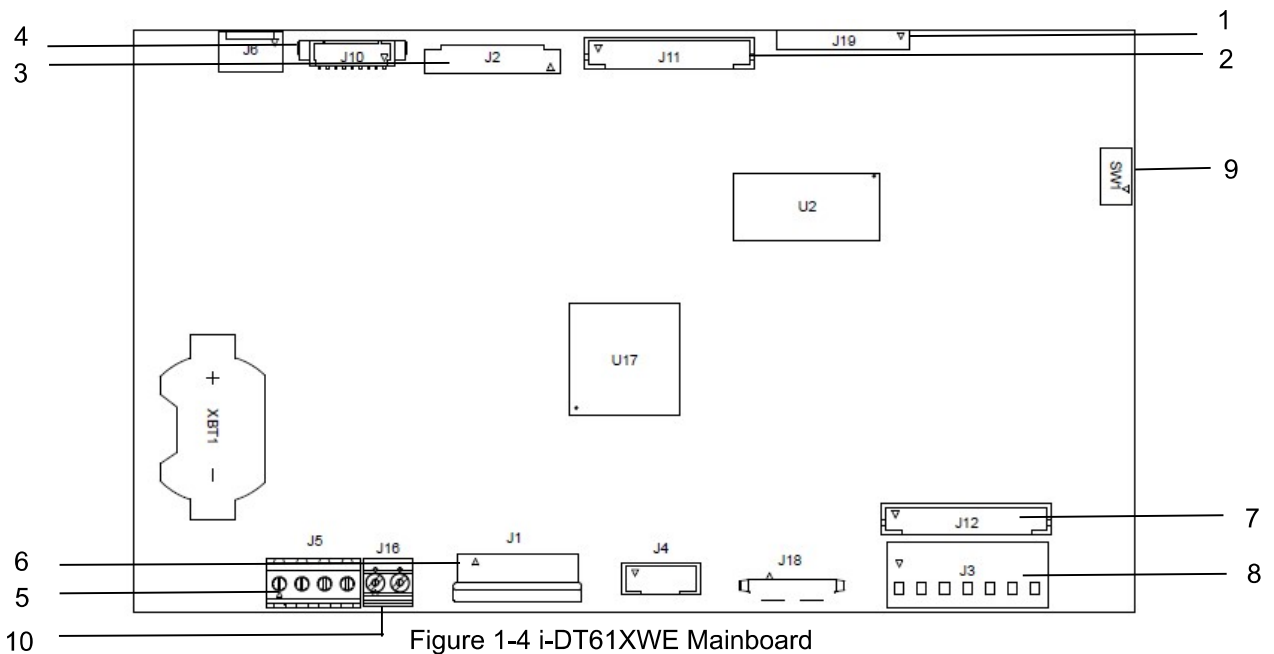


Figure 1-4 i-DT61XWE Mainboard

| Item | Description | Item | Description |
|------|--|------|---------------------------------|
| 1 | Alibi Memory Board connector (J19) | 6 | Keyboard connector (J1) |
| 2 | Discrete I/O/Analog/RS232-RS485-USB Device connector (J11) | 7 | Load Cell connector (J12) |
| 3 | Display Board connector (J2) | 8 | Load Cell Terminal Block (J3) |
| 4 | Ethernet connector (J10) | 9 | Security Switch connector (SW1) |
| 5 | RS232 connector (J5) | 10 | Discrete Input0 (J16) |