

ARC1 INFORMATION

1. TECHNICAL DOCUMENTATION AND SOFTWARE

The required documentation and software packages (Driver K-114, ARC1 Configuration and Datamanager) are downloadable free of charge at www.keller-druck.com.

2. O-RING

To maintain the watertight seal, all O-Rings must be kept free of dirt and debris. If the O-Ring becomes cut or cracked, it must be replaced. (→ [Manual ARC1, accessories](#))

3. VENT

Avoid direct contact with the active venting area or adhesive ring. Keep all sharp or jagged items away from the ePTFE membrane. (→ [Manual ARC1, hardware](#))

4. HUMIDITY

Exercise caution in high humidity climates. We recommend the use of silica-gel moisture absorbing packets which are reusable after drying out in an oven. (→ [Manual ARC1, accessories](#))

5. CLEANING INSTRUCTIONS

Most dirt is easily removed with mild soap, water and a soft sponge. Do not use any type of brush which could scratch the surface.

6. ENVIRONMENT

Do not operate in explosion hazard areas (EX zones). Keep away from flammable sources and strong electromagnetic fields. Select an installation site where ambient temperature never exceeds or falls below a temperature range of -20 °C to +50 °C.

7. TRANSPORT / STORAGE

Disconnect battery when device is not in use.

8. SAVETY INFORMATION

Please only use original accessories to prevent injuries and health risks. Mobile communications antennas may have an amplification of maximum 3.3dBi in the relevant frequency range. A minimum clearance of at least 40 cm between people and the antenna must always be ensured.

The ARC1 has a radio module with the following frequencies and output powers:

| Device Type | Technology | Frequency range | Uplink | Downlink | Maximum TX-Power |
|-------------|----------------|-----------------|-----------------|-----------------|------------------|
| ARC1 LoRa | | 863 – 870 MHz | | | 14dbm |
| ARC1 3G/4G | GSM/GPRS 900 | 880 - 915 MHz | | 925 - 960 MHz | 33.5dBm |
| ARC1 3G/4G | GSM/GPRS 1800 | 1710 - 1785 MHz | | 1805 - 1880 MHz | 30.5dBm |
| ARC1 3G/4G | WCDMA/ HSPA | FDD I | 1920 - 1980 MHz | 2110 - 2170 MHz | 24.5dBm |
| | | FDD VIII | 880 - 915 MHz | 925 - 960 MHz | |
| ARC1 4G | LTE FDD | Band 1 | 1920 - 1980 MHz | 2110 - 2170 MHz | 24.5dBm |
| | | Band 3 | 1710 - 1785 MHz | 1805 - 1880 MHz | |
| | | Band 7 | 2500 - 2570 MHz | 2620 - 2690 MHz | |
| | | Band 8 | 880 - 915 MHz | 925 - 960 MHz | |
| | | Band 20 | 832 - 862MHz | 791 - 821 MHz | |

9. WASTE DISPOSAL (WEEE STATEMENT)

Please make sure that after the device's service life expires it is disposed of in accordance with Directive 2012/19/EU of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE) separately from the normal waste via an appropriate collection point.



10. DECLARATION OF CONFORMITY

Hereby, Keller AG für Druckmesstechnik declares that this device is in compliance with the essential requirements of the Radio Equipment Directive (RED) 2014/53/EU. A full copy of the Declaration of Conformity can be found at www.keller-druck.com/ARC1/

