

## QUICK GUIDE ARC1

### 1. TECHNICAL DOCUMENTATION AND SOFTWARE

The required documentation and software packages (<https://docs.kolibricloud.ch> / [KOLIBRI Desktop](#)) are downloadable free of charge at [www.keller-pressure.com](http://www.keller-pressure.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 the battery when the device is not in use.

### 8. SAFETY INFORMATION

Please only use original accessories to prevent injuries and health risks. The antenna must not exceed the maximum gain in the relevant frequency range. A minimum clearance of at least 20 cm between people and the antenna must always be ensured.

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

Product	Band	Class	Technologie	Region	RF Power (dBm)	max. Antenna gain (dBi)
ARC1-Tube-4G ARC1-Box-4G ARC1-Box-4G-SB	LTE B1, B3, B7, B8, B20	3 (0.2 W)	4G	EU	24.0	3.00
	WCDMA B1, B8	3 (0.25 W)	3G		24.5	
	EDGE 1800	E2 (0.4 W)	2G		27.0	
	EDGE 900	E2 (0.5 W)			28.0	
	GSM/GPRS 1800	1 (1 W)			30.5	
	GSM/GPRS 900	4 (2 W)			33.5	
ARC1-Tube-M1&NB ARC1-Box-M1&NB ARC1-Box-M1&NB-SB	B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B26, B28	3	(LTE) CAT-M1 (LTE) CAT-NB1	Global	24.0	5.3
	EDGE 1800	E2 (0.4 W)	2G		27.0	
	EDGE 900	E2 (0.5 W)			28.0	
	GSM / GPRS 1800	1 (1 W)			30.5	
	GSM / GPRS 900	4 (2 W)			33.5	
ARC1-Tube-LR868 ARC1-Box-LR868 ARC1-Box-LR868-SB	863 – 870 MHz	-	LoRa	EU	14.0	2.00
ARC1-Tube-LR915 ARC1-Box-LR915 ARC1-Box-LR915-SB	902 – 928 MHz	-	LoRa	US	18.5	6.00

### 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 Druckmesstechnik AG 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 <http://www.keller-pressure.com/>

