| | Document name INSTRUCTIONS FOR ACTIVATING RADIO SIGNAL | | Document №/ Release № 03 06 2019 | |
|-----------------|--|--|-------------------------------------|------|
| Axioma Metering | | | | |
| Prepared by: | | | Release | Page |
| M. Anusevicius | | | 1.1 | 1/4 |

AXIOMA METERING UAB

ULTRASONIC WATER METER QALCOSONIC W1

Instructions for activating radio signal

| | Document name INSTRUCTIONS FC RADIO SI | OR ACTIVATING GNAL | Document №/ F 03 06 2019 | Release № |
|--------------------------------|--|-----------------------|-----------------------------|-------------|
| Axioma Metering | | | | |
| Prepared by: M. Anusevicius | | | Release 1.1 | Page 2/4 |

- 1. Place and hold the optical head on the meter, and connect it to the USB port.
- 2. Start the W1 Tool and enter the number of the virtual the serial port in tech Com Port window (might be different depending on PC configuration) which can be seen under device manger Ports. Write only number you see.



| Main Settings Radio Menu | LORA WAN | | | | |
|--------------------------|-----------------|-----------------------|--|--|--|
| 3 | Enter Test Mode | lime | | | |
| 2400 bps ~ | Enter User Mode | Get Now Set | | | |
| Wake Up Meter | Curent Data | | | | |
| | | Read ID | | | |
| | | Volume m ³ | | | |
| | | Flow m³/h | | | |
| | | Error Code | | | |
| | | Temperature °C | | | |
| Read All | | | | | |
| Write All | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | V 2019 03 15 | | | |
| | | | | | |
| Com Closed Exeption 6 | | | | | |

| | Document name INSTRUCTIONS FC RADIO SI | OR ACTIVATING GNAL | Document №/ F 03 06 2019 | Release № |
|--------------------------------|--|-----------------------|-----------------------------|-------------|
| Axioma Metering | | | | |
| Prepared by: M. Anusevicius | | | Release 1.1 | Page 3/4 |

3. Press "Wake Up Meter" button, then "Enter Test Mode" button and "Read All". Yellow zone on "Enter Test Mode" and "Enter User Mode" section should apply.

| W1 TOOL | | : |
|-------------------------|-----------------|----------------|
| ain Settings Radio Menu | LORA WAN | |
| Com Port | | Time |
| 3 | Enter Test Mode | |
| 2400 bps 🗸 | Enter User Mode | Get Now Set |
| Wake Up Meter | | Curent Data |
| | | Read ID |
| | | Volume m³ |
| | | Flow m³/h |
| | | Error Code |
| | | Temperature °C |
| Write All | | V 2019 03 15 |
| om Closed Exeption 6 | | |

4. Go to "Radio" Tab, having first read configuration data from the meter by pressing "Read All" button on the main settings tab. Here you can press "Get Radio State" button to see if radio is activated or not. If not, you can activate it by pressing "Activate Radio" button.

| | | | | - | ^ |
|--|--------------------------|--|---|---|---|
| Nain Settings R | ladio Menu | LORA WAN | | | |
| Radio wMBus wMbus Lora W AES Enable _ AES128 key | T1 🗹 S1 🗌 Van 🗌 | (| Activate Radio Get Radio State Radio State Stimutati | | |
| Param Mask - Volume F Volume F How On Time Cut Date Cut Volume Cut Volume Cut Volume Error Free T | re ∋ F ∋ R Time | Month Mask January February March April May June July August September October November December | Week Day Mask Monday Tuesday Wednesday Thursday Saturday Saturday Start 0 h Stop 24 h Period 600 s | Battery Life Time Calculator Lora Settings F 12 Payload Len 51 Period, s 3600 Self discharge, % 3 Meter cnsumption, uA 10 | |
| | | | | Calculate Battery Time | |
| itatus 16 iignature 0 iendCmd 00 | | | | Calculate Battery lime | |

| | Document name INSTRUCTIONS FC RADIO SI | OR ACTIVATING GNAL | Document №/ F 03 06 2019 | Release № |
|--------------------------------|--|-----------------------|-----------------------------|-------------|
| Axioma Metering | | | | |
| Prepared by: M. Anusevicius | | | Release 1.1 | Page 4/4 |

5. To check if radio is activated, press "Get Radio State" button one more time to show the status. You should see Radio Active if everything is correct.

| 🚽 W1 TOOL | | | - D > |
|---|--|---|--|
| Main Settings Radio Menu LOR Radio wMBus T1 🗹 wMbus S1 🗌 | A WAN | Activate Radio | |
| Lora Wan AES Enable AES128 key | | Radio Active S1 Install | |
| Param Mask Volume Volume F Volume F Outure R On Time Temperature Cut Volume F Cut Volume F Cut Volume R Error Free Time | Month Mask January February March April May June July August September October November December | Week Day Mask Monday Tuesday Wedneaday Fhiday Saturday Sunday Start 0 h Stop 24 h Period 600 s | Battery Life Time Calculator Lora Settings SF 12 Payload Len 51 Period, s 3600 Self discharge, % 3 Meter cnsumption, uA 10 |
| | | | Calculate Battery Time |
| Status 16 Signature 0 SendCmd 00 *** JOB FIN *** | | | Calculate Battery Time |

6. Also, radio signal can be activated with 25 liters of water flow through the meter. Then radio signal is activated autimatically.