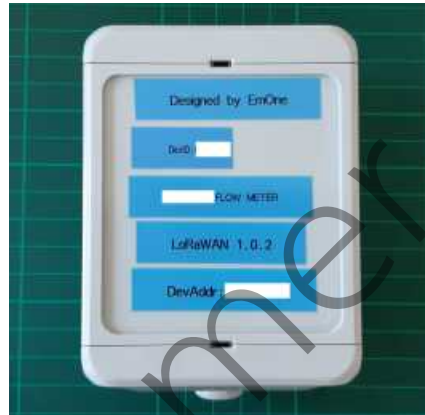


I. iMAS923TH Flow Meter Specification



1. LoRaWAN module : iM980A (iMAS923TH) (NBTC register id : A59011-18-1627) (FCC:Q9B409810)
2. Frequency : AS923 (default: 923.2, 923.4 Mhz) (Extendable 920~925 MHz)
3. TX output power: Typical 14 dBm (Max. 18.5 dBm) (Licensed Max. EIRP 22 dBm)
4. Standard met: NBTC TS.1033-2560, EN 60950-1 (Processing)
5. Temperature / Humidity : -40 to 75 Degree C / 0 – 90 %
6. Size : 113 x 80 x 60 c.m.
7. IP rating : IP68
8. Body material : Polycarbonate
9. Compatibility : LoRaWAN 1.0.2, Thailand CAT network, etc.
10. DevEUI : IEEE Device EUI Registered
11. Power supply : 3.7 Voltage (Batt. size : 18650 1 slot, 14550 1 slot) Replaceable
12. Input: Digital 4 channels (Pull up resistor)
 - i. Channel 1 : Pulse counter (Max. Frequency 100 Hz)
 - ii. Channel 2 : Direction (High: Forward / Low : Reverse)
 - iii. Channel 3 : Tampering (High: Released / Low : Attached)
 - iv. Channel 4 : Future reserved for universal status (High: Silent / Low : Alarm)
13. Input: Analog 1 channel
 - i. ADC 10 bit: max = 1023, min = 0 ; ADC 12bits: Future reserved
14. Cable gland : PG9 or Equivalence
15. External passive antenna in case (U.FL / IPEX / SMA) or Equivalence
16. Watchdog Timer 500 ms