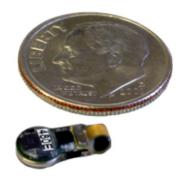


## **JSATS PRESSURE TAG**

**SS300**P



- 1. Only the Pinger Dish III can be used to program the pulse rate: (uses 3G pulse rate options).
- 2. There are three pulses per period:
  - a. The first is the normal tag code.
  - b. After about 80ms, the temperature code is transmitted.
  - c. After another 80ms, the depth code is transmitted.
- 3. The Pinger Dish is too slow to detect the second and third additional codes. It will only display the first code detected, which is the tag code.
- 4. Only ATS JSATS receivers can capture the pressure/temperature data. That data then requires special filtering (which comes standard with ATS JSATS Receiver software) to convert the data into usable information.
- 5. The tag life is 1/3 of the normal JSATS tag life (without the pressure option). The sensor uses a negligible amount of power, but the tag is transmitting three times as much information.
- 6. Maximum pressure = 26,214 mbar (380 psi = 267 meters).
- 7. Accuracy = 25cm (typical @ 25°C).
- 8. Resolution = 0.5cm (216 steps).
- 9. \$0000 = 0 mbar, ~ 0.4 mbar per step, (\$0000 \$FFFF).
- 10. Temperature = 0.01°C resolution with  $\pm$  1.5°C of accuracy.
- 11. Battery Life in days: (Note: The PRI's listed in this table are only examples. The available pulse rates available using the Pinger Dish III are limited to 60 seconds or less and will vary slightly).

| BATTERY |     |     |     |                                |  |     |     |     |     |        |  |
|---------|-----|-----|-----|--------------------------------|--|-----|-----|-----|-----|--------|--|
| PRI     | 337 | 379 | 392 | <sup>1</sup> / <sub>2</sub> AA |  | PRI | 337 | 379 | 392 | 1/2 AA |  |
| 2       | 5   | 10  | 28  | 512                            |  | 10  | 22  | 45  | 127 | 2222   |  |
| 3       | 7   | 15  | 42  | 754                            |  | 15  | 31  | 63  | 178 | 3076   |  |
| 4       | 10  | 19  | 55  | 987                            |  | 20  | 39  | 79  | 223 | 3809   |  |
| 5       | 12  | 24  | 68  | 1212                           |  | 30  | 52  | 105 | 297 | 5000   |  |
| 6       | 13  | 28  | 81  | 1428                           |  | 60  | 79  | 158 | 446 | 7272   |  |
| 8       | 18  | 37  | 105 | 1839                           |  | 120 | 105 | 211 | 595 | 9411   |  |

12. Physical specifications (size/weight): (Note these dimensions are approximate depending on the final board layout and size).

| BATTERY    |           |           |            |                                |  |  |  |  |  |  |
|------------|-----------|-----------|------------|--------------------------------|--|--|--|--|--|--|
| Dimensions | 337       | 379       | 392        | <sup>1</sup> / <sub>2</sub> AA |  |  |  |  |  |  |
| Weight     | 0.5 grams | 0.6 grams | 1.05 grams | 11.9 grams                     |  |  |  |  |  |  |
| Length     | 14.2mm    | 15.6mm    | 17.2mm     | 15.7mm diameter                |  |  |  |  |  |  |
| Width      | 5.3mm     | 7.5mm     | 8.3mm      | 41mm in length                 |  |  |  |  |  |  |
| Height     | 4.5mm     | 4.5mm     | 5.4mm      | NA                             |  |  |  |  |  |  |