



# Product Datasheet

## HP-1

High power general purpose transmitter

HP-1 is a high power general purpose transmitter for use with pulse outputs. Typical applications include reading water, gas and electricity meters and other devices with compatible outputs.

Communicating with Taggle receivers, data can be collected over a wide geographical area. Typical ranges of more than 4km in urban and 10km in rural areas depending on installation and local geography are achievable.



### Technical Details

| General               |   | Transmitter                |   |
|-----------------------|---|----------------------------|---|
| Dimensions (approx.)  | 235mm (L) x 65mm(D) x 55mm(W)                               | Type                       | Taggle Byron A31  |
| Weight (approx.)      | 335g  | Operating Frequency        | 922MHz  |
| Enclosure Material    | PVC   | Signal Type                | Direct Sequence Spread Spectrum   |
|                       |   | Licence                    | ACMA LIPD Class   |
| Environmental         |   | Operating Range            | Ranges of more than 2km - 5km in urban and 5km - 50km in rural areas are regularly achieved. Ranges actually achieved will depend on local installation conditions and geography. |
| Ingress Protection    | IP68  |                            | Taggle produces a variety of devices with low and high power output which provides us with great flexibility in addressing range issues in the most economical way.               |
| Operating Temperature | -10° C to 60° C<br>(Average temperature not to exceed 30°C) | Input                      |   |
| Battery               |   | Type                       | Suitable for use with both contact closure (reed switch, relay) and voltage (open collector, FET) pulses  |
| Type                  | Lithium Thionyl Chloride (non-replaceable)                  | Contact Closure Resistance | >50kΩ Open, <200Ω Closed  |
| Voltage               | 3.6V  | Voltage                    | 3.7V (max); <0.6V (Low); >1.1V (High)   |
| Life                  | 12 years+ (1 transmission/hour)                             | Minimum Pulse Width        | 500µs   |
|                       |   | Maximum Pulse Rate         | 1kHz  |
|                       |   | Tamper                     | Yes, Fly-lead cut   |

Taggle Systems Pty Ltd

Level 3, 189 Kent Street, Sydney, NSW 2015

Telephone: +61 2 8999 1919 Email: enquiries@taggle.com.au

