



FastGPS Argos Series

Technology:  Satellite

Product:  Tag

Kemp's ridley sea turtle (*Lepidochelys kempii*) © National Park Service 2016



The FastGPS F6 series are Argos linked FastGPS tags for a wide range of applications.

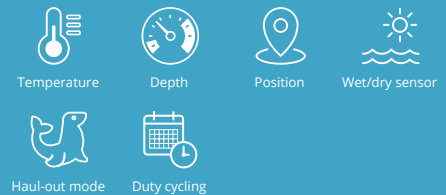
FastGPS is fast acquisition GPS technology designed for marine animals which only surface briefly. Raw locations and basic dive data are then relayed back to the researcher via the Argos satellite system.

Unique FastGPS technology enables a snapshot of GPS signals to be taken in a fraction of a second compared to conventional GPS which can take tens of seconds. FastGPS raw data is automatically post-processed and can be viewed and downloaded via a secure web portal.

Options

- DIVE data includes max. depth, dive time and TAD (Time At Depth) index.
 - Flexible scheduling for Argos transmit interval and FastGPS sample rates.
- Haul-out mode
- Optional Polyurethane armour for impact absorption and abrasion protection

Features:



Accurate positions transmitted via Argos:

Near GPS quality accuracy captured in a fraction of a second

Data management:

Location data automatically processed and accessed via the secure web portal

Rugged packaging:

Rugged hydrodynamic package designs for depths up to 2000m.

Product Applications

Models available for shark, pinniped and marine turtle applications where there is little or no chance of recovering the tag to retrieve the data.

Model	F6F 176A	F6G 276E	F6G 276F	F6G 376B	F6G 676B
Weight (g)	65	140	TBA	240	520
Life ⁽¹⁾ (days)	140	281	TBA	TBA	845
Size (LxWxH) (mm)	96 x 19 x 80	100 x 44 x 31	101 x 44 x 32	115 x 64 x 44	164 x 75 x 62
Max depth	1000	2000	2000	2000	2000
Heavy duty	No	No	Yes	Yes	Yes

1. Estimated life calculated with hourly FastGPS locations and a daily limit of 200 Argos transmissions.

Features and specifications subject to change without notice.



F6F 176A



F6G 276E



F6G 276F



F6G 376B



F6G 676B

Technical specifications:

Argos transmit power: 500mW

Operating temperature range: - 20 °C to 50 °C

Standard sensors:

Wet/dry sensor

Temperature sensor range: -40 °C to 60 °C

Temperature sensor accuracy: ±0.2 °C

Temperature sensor resolution: better than 0.05 °C

DIVE sensors:

Calibrated sensor range: -5 °C to 40 °C

Depth sensor ranges: 200m, 500m, 2000m

Depth sensor accuracy: ±1% of Full Scale

Depth sensor resolution: ~0.025% of Full Scale

Warranty

FastGPS Argos tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 12 months. For Warranty terms and conditions, please review our [Warranty Statement](#).