

The New Flytec 6040 Real Time Wind Mapping For Balloonists

The Flytec 6040 is a revolutionary new flight instrument that brings proven state-of-the-art 6030 technology to balloonists.

It features a large high resolution graphic display in a sleek and compact housing that is considerably smaller than the 3040 and can be used with optional Flytec TT34 for accurate and reliable wireless envelope temperature.

A built-in GPS enables a vast array of previously unavailable flight information. In flight, the GPS constantly calculates the wind at various elevations you fly through and generates a wind layer map showing the wind speed and direction on an automatically adjusting altitude scale.

The battery supply is two banks of AA rechargeable batteries and the smart battery technology allows the 6040 to auto-switch to the secondary battery bank when the primary bank is depleted.

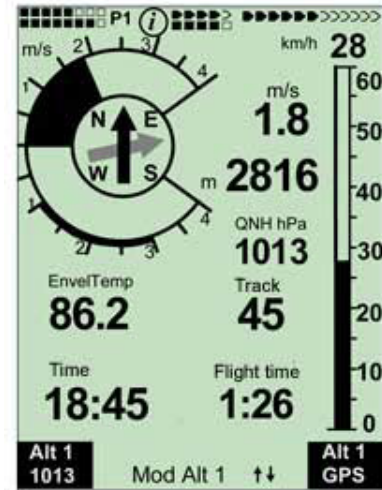
The 6040 has a built-in 3D flight recorder that allows you to download your flights to your PC (via USB port) allowing them to be viewed in FlyChart software (included) or in Google Earth. The very latest in flash processor technology is used allowing the user to easily upgrade the firmware with a PC when new versions and functions become available.

Function overview:

- Flight instrument with integrated 16-channel GPS receiver w/ internal antenna
- Large, high contrast, graphic LCD display (2-3/8" x 3-1/8") resolution of 320 x 240 pixels
- Three display screens (Main, Map and Wind-layer)
- Accurate and reliable wireless envelope temperature with temperature and never-exceed warnings (optional TT34 required)
- Wind layer map that shows windspeed and direction on automatically adjusting altitude scale (data derived from flight path)
- Automatic pilot warnings:
 - Envelope temperature
 - Never-exceed temp
 - Descent
- Altitude ceiling
- Altitude floor
- Ergonomic two-colour keypad with easy menu structure with two event driven soft-keys allow access to important functions without navigating through different menus
- Up to 291 hours of FAI/IGC data logging memory at 60 sec record interval, 9 hours at 2 sec and 48 hours at 10 sec (recommended).
- Automatically records a point upon entry/exit of FAI sector/turn point with acoustic and visual notification
- Each track log point records: longitude, latitude, altitude (pressure + GPS based), true airspeed, ground speed
- Up to 200 waypoints can be defined.

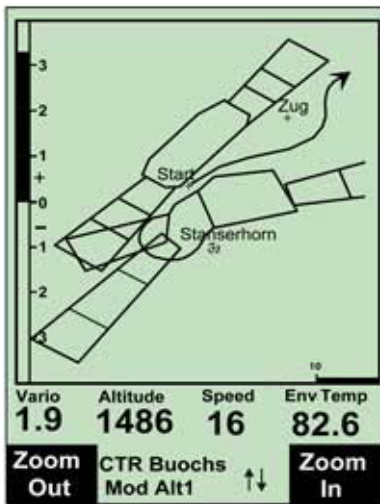
- Up to 20 routes, each with 30 waypoints can be stored
- Automatic or manual start and stop of data logging
- Set all user-settings from keypad or FlyChart (incl.)
- Analog and digital display units can be set to the pilot's preferences (standard or metric)
- Three user-pages with up to 7 user-selectable data fields per page, can be chosen from:
 - Envelope temperature
 - Maximum envelope temperature
 - Ambient temperature
 - Altitude in feet (up to 36,000 ft)
 - Altitude in m (up to 11,000 m)
 - Reference altitude (can be quick-set to 0)
 - Cumulative altitude
 - GPS Altitude
 - Flight level
 - Barometric pressure - inHg
 - Barometric pressure - millibars
 - Altitude ceiling (user set)
 - Altitude floor (user set)
 - Digital variometer
 - Time of day
 - Flight time
 - Ground speed
 - Windspeed (requires optional sensor)
 - Distance to selected waypoint
 - Distance to end of route
 - Distance to waypoint cylinder
 - Distance to restricted airspace (must be loaded)
 - Distance to take-off point
 - Bearing to active waypoint
 - Track
 - Cross-track error
 - SMS send interval
- Simulation mode allows flights to be simulated to facilitate learning instrument operation and functions
- Charge both battery banks simultaneously with dual internal chargers

Main Display Page



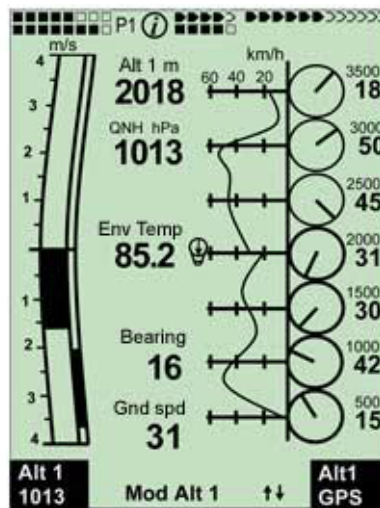
- Variometer
 - Direction to waypoint
 - Ground speed
 - User-selected data fields
 - Battery status bank 1 & 2
 - TT34 reception status
 - TT34 battery status
 - GPS reception status
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- Accurate battery status shown for both battery banks at start-up, during flight and on shut-down
 - Continuously display of TT34 battery status (if used)
 - SD memory card slot for future implementation
 - All ports have integral dust covers
 - Dimension: 6-3/4" x 3-3/8" x 1"
 - Weight: 12 oz. (without attachment)

Map Page



- Variometer
- Track log map
- Altitude
- Ground speed
- Envelope temp

Wind Layer Page



- Variometer
- Wind layer chart
- User-selected data fields
- Battery status bank 1 & 2
- TT34 reception status
- TT34 battery status
- GPS reception status

Included with 6040:

- Wall charger cable
- Vehicle charger cable
- USB interface cable
- FlyChart Professional license
- Protective carry bag
- 4 AA NiMH batteries (user replaceable)
- 2 year warranty
- Manual
- Optional TT34 wireless envelope temperature sensor

Optional wind sensor available

For further information, to see one in action or to place an order, please contact

Exclusive Ballooning 01453 511280
 Or email Flytec@balloon.tv