



Product Comparison

Activinsights' wearables are robust and waterproof with a long battery life for low subject burden and maximal deployment. For many research applications, the GENEActiv is the most suitable device for optimal raw data collection and open-source analysis. The Activinsights Band is ideal for long-term, community-based deployment where real-time lifestyle analytics are required.

GENEActiv		Activinsights Band
Acceleration, light and temperature data at up to 100Hz	Sensor outputs	Behavioural event output inferred from acceleration (sit, stand, walk, sleep, etc.)
Set-up through USB cradle on PC or Android and download to PC	Connectivity	Wireless set-up on PC with download through PC or Android in field
High resolution, raw SI unit data in an open format	Data format	Open COEL atom format with behaviour type, duration, intensity and characterisation
Sovereign data store or use of Activinsights' cloud store	Data storage	Privacy-by-design pseudonymous cloud data engine to COEL standard
Raw data analytics using proprietary, customised or open-source data analytics tools (e.g. R)	Data analytics	Standardised and customised reports available through the Activinsights data server client app and API
1 week to 1 month	Battery life	1 year with no charging needed
0.5 Gb	Data capacity	~ 3 weeks of wear
Yes	Waterproof	Yes
Wrist, upper arm, chest, waist, thigh, ankle	Body locations	Wrist
FDA 510(k) exempt, European Class 1 medical device	Approvals	CE Marked
40mm wide x 13mm deep 27g (16g without strap)	Size and weight	23mm wide x 13mm deep 25g
5 – 40 Degrees Celcius	Operating temperature	5 – 40 Degrees Celcius
1 year	Warranty	1 year