Wireless UWB Positioning Anchor ID-UWB-B50 (Battery, No Cabling, IP67)

Model ID-UWB-B50 · Brand: Identium



A battery-powered UWB anchor that needs no power or network cable: fix it to a wall, column or pole and it serves as a reference point for 4G UWB terminals such as the ID-UWB-V10. Rated 0.3 m accuracy unobstructed, over 100 m range and 3–5 years on its battery.

KEY FEATURES

- **No cabling: runs on a primary battery, rated 3–5 years at 1 Hz and 25 °C**
- **Positioning accuracy 0.3 m in unobstructed space**
- Communication range over 100 m in open areas
- IP67, –40 °C to +80 °C; Ex ib IIC T4 Gb rated version (Chinese certificate)
- Wall, column or pole mounting; channel-steel bracket available
- Pairs with 4G terminals that upload positions themselves, so no network at the anchor

APPLICATIONS

Warehouses and distribution centres · Paper, steel and cement plants · Chemical plants · Tunnels and metro depots · Power plants and substations · Ports and yards

SPECIFICATIONS

Technology	UWB ranging, 6.24–6.74 GHz
Positioning accuracy	0.3 m (unobstructed)
Communication range	Over 100 m (open environment)
Power	Primary (non-rechargeable) battery
Battery life	3–5 years at 1 Hz, 25 °C
Antenna	Omnidirectional
Mounting	Wall or pole (hanging); channel-steel bracket
Dimensions / weight	123 × 97 × 40 mm, 400 g
Housing	ABS, IP67
Hazardous-area rating	Ex ib IIC T4 Gb (Chinese certificate; PESO approval not included)
Operating conditions	–40 °C to +80 °C, 0–90 % RH non-condensing
Works with	ID-UWB-V10 vehicle terminal and the Identium UWB positioning platform