

Precision Dynamic Measurement with PDM³



General Specifications

Weight (kg)	1.0
L x B x H (mm)	190 x 100 x 148
Device aiming	screen image + green lasers
Connects to	Windows® tablet (rugged)
Operatng Temperature	-10°C to +40°C
IP Classification	IP65
Sampling Rate (Hz)	60 ~ 8000
3M Reflector size (mm)	10mm from 2m to 50mm at 50m
Data Interfaces	WiFi, USB
Power Connector	USB-C
Rechargeable Battery	Panasonic NCR18650B, 3350mAH, 4.87A - protected button top

Operational Characteristics

Final Acceptance Testing

Active Zone (m) at 10m offset	1.52
Offset range (m)	2m to > 50m from pile
Measurement range about perpendicular	±50 degrees in horizontal plane
Notional position accuracy at 10m	±0.02mm
Notional velocity accuracy over the recommended range	±0.1m/s at 6500Hz

Blow Count Monitoring

Continuous blow counting?	Yes
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Multi-point Tracking

Maximum simultaneous targets	32
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Package Contents

IP65 rated transit case



Docking station (optional)

50m roll of reflective tape

PDM³ unit

USB Cable
Power cable

Tablet pen

Charger

Hot-swappable battery
for tablet (optional)

Rugged tablet

Adapter for standard survey tripod

Manbily B-20 ballhead

Manbily MT-01 tripod

Sandbag/weightbag (not shown)

