

BMM Detector

Survey-Enabled (5350)

One-step BMM detection

The 5350 survey-enabled detector (SED) makes detection a one-step process. It simultaneously records BMM depth and high precision GPS coordinates of Blast Movement Monitors (BMMs) in the blast pattern (pre-blast) and muckpile (post-blast). The SED forms part of the BMM System that accurately measures 3-dimensional (3D) blast movement.

The BMM System consists of directional transmitters (BMMs) placed within the blast region prior to blasting. Using the SED, you are able to measure BMM pre- and post-blast depth and precise location. This data is transferred to BMM Explorer software, which calculates the 3D movement vector of each BMM and areas of ore loss, dilution and misclassification that would have occurred if blast movement was not accounted for.



FEATURES

- ▶ BMM depth and precise location recorded simultaneously
- ▶ Built-in GNSS receiver
- ▶ Longer battery life
- ▶ Resistant to dust and water ingress; tested to IP65
- ▶ Easier to assemble and store
- ▶ Easier to transport to and from the pit

SPECIFICATIONS

Assembled weight	5.7 kg	PDA model	Nautiz X8
Assembled height	1.78 m	PDA WiFi	WLAN 802.11 b/g
Shipping weight (including case)	18 kg	Wireless connection method	Bluetooth 2.1+EDR
Shipping case size	112 x 36 x 22 cm	PDA size	187.3 x 79.6 x 33.8 mm
Operating temperature	-30°C to +60°C	Voltage PDA charger input / output	100-240V AC / 5V 1.8A DC
Storage temperature	-40°C to +70°C	Remote processing module (RPM) size	309.6 x 186.4 x 110 mm
Battery	14.4V Li-Ion battery 3.35Ah	Voltage RPM charger input / output	100-240V AC / 17V 3A DC
Environmental (IP65)	Water resistant and dust proof	Coil size	350 x 20 mm
GNSS receiver model	Trimble SPS985	GPS radio frequency	Internal 403-473MHz (UHF) TX/RX
Constellations	GPS, SBAS, GLONASS, Galileo, BeiDou, QZSS	GPS receiver WiFi	Smart Antenna