

iM-50 Series

intelligence Measurement Station

High Quality, High Return!

- Construction and Survey Application Software
- Fast & Accurate & Powerful Measuring Distance Feature
- 500m Long Range Reflectoress Measurement
- Rugged & Waterproof Design
- Reliable Large Volume Internal Memory

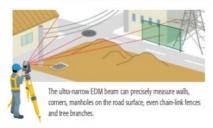


iM-50 Series

intelligence Measurement Station

Fast and Powerful Reflectorless EDM

- · Fast and accurate pinpointing with phase shift technology.
- · Fast distance measurement of 0.9s regardless of object.
- · Minimum reflectorless measuring distance just 30cm.
- · Improved collimation with super-bright pointer.
- Smaller EDM beam spot size for minimal distance measuring error.
- · Dependable measuring even at shallow incidence angles.
- · Ensures accurate reflective sheet distance measurement.



Japan Quality Products



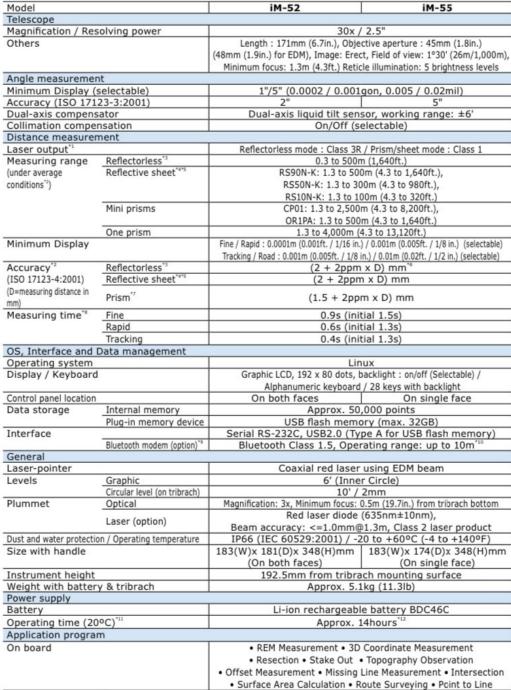
We perform the tough environmental tests to ensure long-term operation even under the rough site environments.

iM Series total stations are thoroughly inspected with dust-proof and water-proof test chambers.

In addition, the various tests against vibration, drop, temperature, and humidity were successfully passed to achieve the best environmental spec. Also, the measuring distance accuracy test on base line and the instrument leveling and angle accuracy test and adjustment by collimator system ensure your satisfaction on iM Series product quality.

Standard Package Components

- Main unit Battery (BDC46C)
- · Battery charger (CDC68A)
- · Power Cable · Lens cap · Lens hood
- Tool pouch Precision Screwdriver
- Lens brush Hexagonal wrench ×2
- Cleaning cloth
 Quick Manual
- Laser caution sign-board
- · Carrying case · Carrying strap



SPECIFICATIONS

*1 IEC60825-1:Ed.3.0:2014/ FDA CDRH 21 CFR Part 1040.10 and 11 *2 Average conditions: Slight haze, visibility about 20km (12 miles), sunny periods, weak scintillation. *3 With Kodak Gray Card White Side (90% reflective). When brightness on measured surface is 30,000 lx. or less. Reflectorless range/accuracy may vary according to measuring objects, observation situations and environmental conditions. *4 When the measuring beam's incidence angle is within 30° in relation to the reflective sheet target. *5 Measuring range in temperatures of 50 to 60°C (122 to 140°F): RS90N-K: 1.3 to 300m (4.3 to 980ft.), RS50N-K: 1.3 to 60m (4.3 to 590ft.), RS10N-K: 1.3 to 60m (4.3 to 190ft.) *6 Measuring range:0.3 to 200m *7 Face the prism toward the instrument during the measurement with the distance at 10 m or less. *8 Good conditions: No haze, visibility about 40km (25miles), overcast, no scintillation. *9 Usage approval of Bluetooth wireless technology varies according to country. Please consult your local office or representative in advance. *10 No obstacles, few vehicles or sources of radio emissions/interference in the near vicinity of the instrument, no rain. *11 Figures will change depensing on the operating environment including temperatures and observation conditions. *12 In use of ECO mode. Fine single measurement every 30sec.



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