12.2 Technical Information

Operating features:	• Electronic smoke stimulus • Heat stimulus (standard / hi-heat) • Automatic smoke clearing function • Optical sensors to automatically capture detector led alarm status • TFT-LCD full colour touch screen • Colour led user feedback up to 9m visual distance • Automatic torch in dark environment • Adjustable multi-position head • BT enabled to communicate with detectortesters-connect app • Optional subscription for premium features in the DT Connect app and Cloud Portal
Safety features:	General safety features • Auto-shutdown feature. If the unit is inactive for more than 10 minutes, the unit automatically shuts down which disconnects the control circuit from the battery pack. • All tests are time limited to 120 seconds. Heater/smoke safety features: • Microprocessor in-test temperature and voltage safety monitoring stops test in response to fault • INA230 current alert function stops test in response to fault • Fuse protection if heater/smoke element overheats Battery pack safety features: • The battery pack features safety circuits to prevent over temperature, over current, over charging and deep discharge conditions. • Microprocessor in-test temperature safety monitoring displays LCD warning and prevents further tests until battery cooldown • JEITA compliant charge cycle limiting charge current and voltage dependant on temperature
Power source:	Lithium ion battery pack nominal 10.8v 35.1wh/3250mah, with USB-C connection to charging cradle
Battery charging time:	50% charge 23°C: Less than 1 hour Fully charged: 5°C = 3 hours 23°C = 2 hours 40°C = 3 hours
Power consumption:	Dependent on mode of use: Smoke testing: <0.5A rms Heat testing: 4-6A rms N.B. Power consumption refers only to the duration of the actual test and may vary considerably due to internal control algorithms. ----------

Test modes:	• Smoke: a simulated smoke generated internally using a miniature heat exchanger and a harmless liquid from the smoke capsule. • Standard Heat: to test rate-of-rise and fixed temperature heat detectors up to 90°C (194°F). • Hi-Heat: to test rate-of-rise and fixed temperature heat detectors up to 100°C (212°F). • Clearing: clean air is blown to remove previously applied smoke. • Simultaneous Testing: Smoke and Heat in combination • Sequential Testing: Heat followed by Smoke • Smoke for ASD or flat detectors: requires separate adaptor • Delayed start smoke test
Suitable detector types:	• Optical / photoelectric and ionisation smoke detectors. • Thermal sensors (fixed temperature or rate-of-rise). • Multi-sensors or multi-criteria detectors. • Conventional, addressable, or analogue addressable detectors of any of the above types. • ASD and flat detectors
Operating temperature range:	Unit: +5°C to 45°C (+41°F to 113°F) Charger Cradle: +5°C to 40°C (+41°F to 104°F)
Operating humidity range:	0 to 85% RH non-condensing
Storage temperature range:	-10°C to 50°C (+14°F to 122°F)
Storage humidity range:	0 to 90% RH non-condensing (up to +35°C/95°F
Maximum operating altitude:	3,000 m
Weight (Including battery, generator & cartridge):	1.25kg with battery Gen and Cartridge 2.39kg boxed with everything
Dimensions H (including handle) x W (widest) x D:	406 x 156 x 150mm
Dimensions H (excluding handle) x W (widest) x D:	302 x 156 150mm
Cup dimensions:	Ø112mm max 38-57mm height (see 2D drawing attached)
Outer carton dimensions H x W x D:	477 x 227 x 177 mm

12.3 Support Contact

For help and support, please use contact your local service centre with your product serial number and any error code to hand.

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No Climb Products Ltd.
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