

QUOTATION REQUEST CITY SERIES –

The pdf is build up like a configurator where you can define your favoured system compilation.

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CITY SERIES – Fault location, test & diagnostics system for small vans



Quotation form: please select your configuration / application

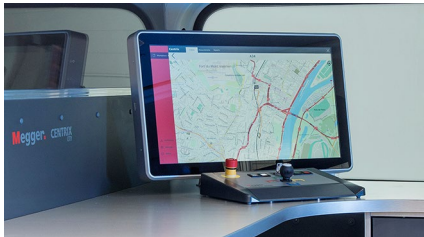


		Configuration I	Configuration II	Configuration III
		Cable Fault Location	Testing & Diagnostics	Cable Fault Location, Testing & Diagnostics
Prelocation methods	ARM - Multishot, ICE, Decay	✓	✗	✓
	Reflectometer measurement	✓	✗	✓
	IFL	✓	✗	✓
Pinpointing 2, 3, 4-steps up to 32 kV	1000 or 2000 Joule	✓	✗	✓
Fault conversion (burning)	20 kV, max. 750 mA	✓	✗	✓
Test methods	DC test	0 ... 40 kV	0 ... 45 kV	0 ... 45 kV
	Sheath test	0 ... 20 kV	0 ... 20 kV	0 ... 20 kV
	Insulation test	0 ... 5 kV	✗	0 ... 5 kV
	VLF Sin 0.1 Hz	✗	0.6 uF @ 45 kV	0.6 uF @ 45 kV
	VLF CR 0.1 Hz	✗	5 uF @ 40 kV _{eff}	5 uF @ 40 kV _{eff}
Diagnostics	Tan Delta	✗	✓	✓
	PD measurement	✗	✓	✓
Database software	CableBook	✓	✓	✓

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Step 2. Please decide your system variation: Fully automatic controlled with fixed control unit or manually controlled with detachable control units



	CENTRIX CITY	COMPACT CITY
Control unit for fault location and testing	fixed control unit 21.5" multi-touch display; operation via touch display or rotary encoder (LogDial)	detachable control unit 10" colour touch display; operation via touch display or rotary encoder (LogDial)
Control unit for diagnostics	via control unit (optional via laptop, mouse and keyboard)	laptop with mouse and keyboard
HV operation	fully automatic via HV switches	manual via plug-in connectors
Analogue meter for residual voltage	✓	✗
Reflectometer measurement 1- or 2-phase	✗	✓
Reflectometer measurement 3-phase	optional	✗
Reflectometer range	20 m ... 1280 km	20 m ... 160 km
GPS mapping	optional	✗
Remote control via mobile devices	optional	✗

If you have selected Centrix City, please choose your optional equipment

Reflectometer measurement 3-phase		These options are not available for Compact City
GPS-Mapping		
Remote control via mobile devices		

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Step 3. If you selected configuration I or III at step 1, please specify your cable fault location system (thumper)

Surge voltage for MV / HV	0 ... 16 / 32 kV
Surge energy for MV / HV	1000 J
	2000 J

Surge voltage for LV	no LV stage
	0 ... 3 kV
	0 ... 4 kV
	0 ... 6 kV
	0 ... 8 kV
	0 ... 3 / 6 kV
	0 ... 4 / 8 kV
	Surge Energy for LV
	2000 J

Country specification	230 V / MC 10 connectors
	110 V / MC 14 connectors

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Step 4. Please select your cable drums

Manually driven LV cable drums	
Belt pull LV cable drums	
Selection includes: 50 m mains cable (2 x 2.5 mm), 50 m earth cable (16 mm ²), 10 m step voltage protection cable (2.5 mm ²)	
Mains connector	ROW : Schuko plug
	US
	UK
	AUS





Manually driven HV cable drum	25 m
	50 m
Motor driven HV cable drum	50 m
Selection includes: Single phase, 80 kV EPR cable, shielded	

Only for Centrix City Mandatory for 3-phase reflectometer measurement	
Manually driven 3-phase coax cable drum	50 m
Belt pull 3-phase coax cable drum	50 m
Motor driven 3-phase coax cable drum	50 m

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Step 5. Please select your additional accessories

Cable identification 	CI Set Offline cable identification for LV & MV
	CI LCI Set Offline cable identification for LV & MV; Online cable identification up to 240 V
	CI LCI P-P Set Offline cable identification for LV & MV; Phase to phase identification up to 440 V
Pinpointing 	digiPHONE+ Set High end surge wave receiver for cable fault pinpointing
	ESG NT Set Digital earth fault locator for sheath fault pinpointing
	digiPHONE+ & ESG NT All functions combined in one unit
Line location 	Ferrolux 10 W Set Portable 10 W transmitter & receiver set
	Ferrolux 50 W Set Portable 50 W transmitter & receiver set
	Ferrolux 200 W Set Van mounted 200 W transmitter with receiver
VLF connection set 	3-phase VLF test set for busbars or terminations
	3-phase PD free test set for connection terminals with M12 connector
	3-phase PD free test set for connection terminals with M16 connector
Sheat fault location	MFM 10 portable
Basic safety package for cable test vans	See safety brochure

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Step 6. Please select your test van equipment

Standard furniture set Operator room Tabletop with 1 drawer cabinet with 3 drawers, 1 cabinet with door HV room (trunk) 1 drawer cabinet with 1 drawer	
Optional equipment	1 seat box with storage space
	1 revolving chair
	1 additional drawer cabinet with 3 drawers
	1 additional cabinet with door
	1 additional drawer cabinet in high voltage room
	2 rotating beacon
	2 roof-mounted spotlights
	Air condition (roof mounted!)
	Electrical heater (2 kW)

Suggested vehicles for all test-system configurations The vehicle selection is only an overview. Specifications for engine, roof height, etc. need to be done in collaboration with our project team. (Model names depend on the manufacturer and can vary)	Volkswagen T6
	Volkswagen T6 4x4
	Mercedes Benz Vito
	Mercedes Benz Vito 4x4
	Ford Transit Custom
	Renault Traffic
	GMC Savana Cargo
	Opel Vivaro
	Trailer
Further transport solution	Trailer

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Step 7. Please select your favoured power generator

Power generator	Portable 3 kVA generator (for pure cable fault location systems)
	Portable 5 kVA generator (for systems with cable fault location, testing and diagnostics or electrical heater / air condition)
	Electronic generator 5 kVA (van mounted)

Special request	
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Your personal contact information	
Name	
Company	
Postal address	
Country	
Telephone	
E-mail	

By entering and submitting your data, you agree that we may receive and evaluate your information for the purpose of responding to your enquiry.



**The final configuration
 can be sent to:
van.projects@megger.com**