

QUOTATION REQUEST CENTRIX 2.0

This pdf is build up like a configurator where you can define your favoured system configuration.

Start





Quotation form: please select your system



	Centrix 2.0 3-phased	Centrix 2.0 single-phased
Control unit for fault location, VLF testing and diagnostics	Fix installed control unit 21.5" multi-touch display	Fix installed control unit 21.5" multi-touch display
HV operation	Operation via touch display or rotary encoder (JogDial)	Operation via touch display or rotary encoder (JogDial)
Reflectometer range (Radar / TDR)	Fully automatic switches for all operation modes	Fully automatic switches for all operation modes
Reflectometer range (Radar / TDR)	20 m ... 1280 km	20 m ... 1280 km
Fully integrated MeggerBook Cable	✓	✓
Analogue meter for residual voltage	✓	✓
External connectors for devices up to 1 kV / 1 A	✓	✓
External safety unit with 15m connection cable	✓	✓
Insulation & capacitance test 1-phased via HV cable (< 6 V, 500 V, 1000 V; 0 ... 20 µF)	✓	
Insulation & capacitance test 3-phased via HV cable (< 6 V, 500 V, 1000 V; 0 ... 20 µF)	✓	✗
Insulation & capacitance test 3-phased via coax-cable (< 6 V, 500 V; 0 ... 20 µF)		
Connectivity Pack: 4G LTE Modem providing Remote control via mobile devices app and Online support via Teamviewer		
Backup control operation via external laptop		



Step 2. Please select your configuration / application



		Configuration I	Configuration II	Configuration III
		Cable Fault Location	Cable Fault Location and VLF Testing	Cable Fault Location, VLF Testing and Diagnostics
HV DC source (DC hipot)	0 ... 80 kV			
	0 ... 40 kV			
Prelocation methods	ARM Multishot ARM Conditioning ICE Decay	✓	✓	✓
	Reflectometer (Radar / TDR)	✓	✓	✓
	IFL	✓	✓	✓
	ARM plus			
	Decay plus			
	ARM live burning 0 ... 8 kV, max. 580 mA			
	ARM power burning 0...20 kV DC, max. 40 A			
	ICE 3-phase			
Pinpointing via maintenance free thyristor switch	0 ... 2 kV / 1200 J			
Pinpointing Please select the surge energy for 4 / 8 kV	2000 J			
	4000 J			
Pinpointing Please select the surge energy for 16 / 32 kV	2000 J			
	4000 J			



Step 3. Please select your configuration / application

		Configuration I	Configuration II	Configuration III
		Cable Fault Location	Cable Fault Location and VLF Testing	Cable Fault Location, VLF Testing and Diagnostics
Sheat testing & pinpointing (secondary fault location)	0 ... 20 kV	✓	✓	✓
Fault conversion (burning)	0 ... 20 kV DC $I_{max} = 40 \text{ A}$ 0 ... 600 V AC $I_{max} = 70 \text{ A}$			
VLF testing	VLF CR 0.1 Hz up to 5 μF @ 54 kV _{rms} 8 μF @ 36 kV _{rms}	✗		✗
	VLF CR 0.1 Hz up to 3 μF @ 62 kV _{rms}	✗		✗
	VLF Sine 0.1 Hz up to 0.6 μF @ 45 kV _{peak} VLF CR 0.1 Hz up to 5 μF @ 40 kV _{rms} 5.5 μF @ 36 kV _{rms}	✗		
	VLF Sine 0.1 Hz 1 μF @ 62 kV _{peak}	✗		
Diagnostics	tanDelta (only available with VLF Sine)	✗		
	PD diagnostics	✗	✗	✓
	PD coupler internally	✗	✗	
	PD coupler externally (incl. control cable 50 m)	✗	✗	

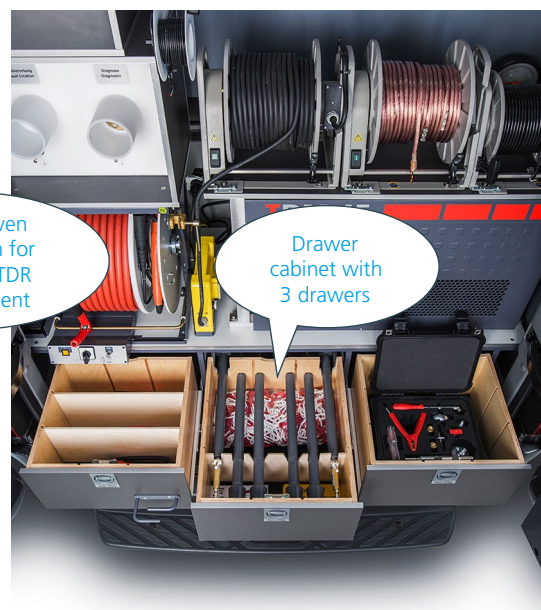
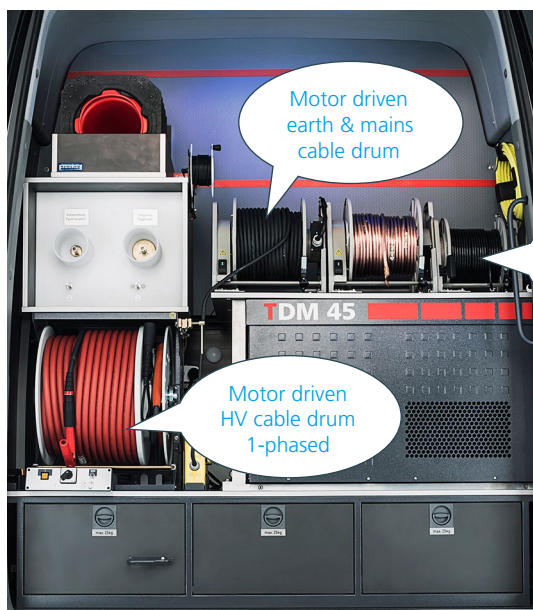


Step 4. Please select your cable drums and mains connector

Manually driven LV cable drums (mains supply & protective earth / safety ground)
Belt pull LV cable drums (mains supply & protective earth / safety ground)
Motor driven LV cable drums (mains supply & protective earth / safety ground)
Selection includes: 50 m mains cable (2 x 4 mm ²), 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

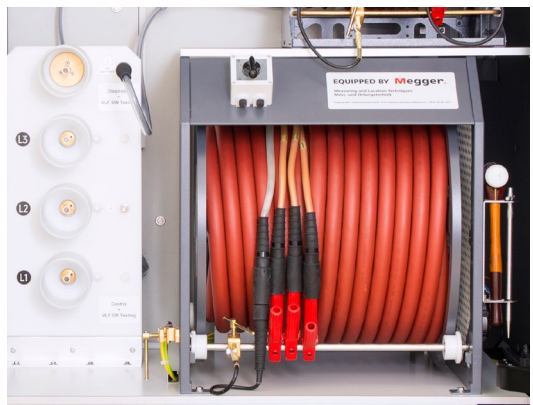
Manually driven HV cable drums	50 m
Motor driven HV cable drums	50 m
Motor driven HV cable drums with slip ring (operational earth / HV return)	50 m
Selection includes: 120 kV EPR cable, shielded	





Step 5. Please select your cable drums and mains connector

<p>Motor driven HV cable drum (multi-conductor cable with 3 phases for 3-ph Centrix without diagnostics)</p>	<p>50 m</p>
<p>Selection includes 1 single 80 kV EPR cable with 3 phases for 3-ph Centrix without PD diagnostics</p>	








<p>Termination</p>	<p>MC 10 connectors</p>
	<p>MC 14 connectors (USA)</p>

<p>3-phase reflectometer measurement and insulation test (additional cable drum)</p>	
<p>Manually driven 3-phase coax cable drum</p>	
<p>Belt pull 3-phase coax cable drum</p>	
<p>Motor driven 3-phased coax cable drum</p>	




Step 6. 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 For sheath fault pinpointing and secondary fault location
	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 & receiver set
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
	MFM 10 van-mounted
Basic safety package for cable test vans	See safety brochure



Step 7. Please select your test van equipment

<p>Standard furniture set Operator room Tabletop with 1 drawer cabinet with 3 drawers, 1 cabinet with door</p>	
<p>Optional equipment</p> 	1 seat box with storage space
	1 revolving chair
	drawer cabinet with 3 drawers in operator room
	cabinet with door in operator room
	cabinet in separation wall in operator room
	1 additional drawer cabinet in high voltage room
	2 rotating beacon (roof-mounted)
	2 potlights (roof-mounted)
	Air condition (roof mounted)
	Electrical heater (2 kW)

<p>Suggested vehicles for all test-system configurations</p> <p>The vehicle selection is only an overview. Specifications for engine, roof height, payload etc. need to be done in collaboration with our project team.</p> <p>(Model names depend on the manufacturer and can vary)</p>		4x4
	Mercedes Sprinter	
	Iveco Daily	
	Ford Transit	
	Renault Master	
	Volkswagen Crafter	
<p>Other transport solutions</p>	Trailer	
	Container	



Step 8. Please select your power supply

Onboard power supply	Portable power generator 5 kVA
	Electronic power generator 5 kVA (Voltstar / van-mounted)
	Underfloor power generator (van-mounted) 7 kVA
	Battery power (Li-Ion) 5 kVA

Special request and comments	
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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**