

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



**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
<b>HV DC source (DC hipot)</b>	0 ... 80 kV			
	0 ... 40 kV			
<b>Prelocation methods</b>	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			
<b>Pinpointing</b> via maintenance free thyristor switch	0 ... 2 kV / 1200 J			
<b>Pinpointing</b> Please select the surge energy for 4 / 8 kV	2000 J			
	4000 J			
<b>Pinpointing</b> 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
<b>Sheat testing &amp; pinpointing (secondary fault location)</b>	0 ... 20 kV	✓	✓	✓
<b>Fault conversion (burning)</b>	0 ... 20 kV DC $I_{max} = 40 \text{ A}$ 0 ... 600 V AC $I_{max} = 70 \text{ A}$			
<b>VLF testing</b>	VLF CR 0.1 Hz up to 5 $\mu\text{F}$ @ 54 kV <sub>rms</sub> 8 $\mu\text{F}$ @ 36 kV <sub>rms</sub>	✗		✗
	VLF CR 0.1 Hz up to 3 $\mu\text{F}$ @ 62 kV <sub>rms</sub>	✗		✗
	VLF Sine 0.1 Hz up to 0.6 $\mu\text{F}$ @ 45 kV <sub>peak</sub> VLF CR 0.1 Hz up to 5 $\mu\text{F}$ @ 40 kV <sub>rms</sub> 5.5 $\mu\text{F}$ @ 36 kV <sub>rms</sub>	✗		
	VLF Sine 0.1 Hz 1 $\mu\text{F}$ @ 62 kV <sub>peak</sub>	✗		
<b>Diagnostics</b>	tanDelta (only available with VLF Sine)	✗		
	PD diagnostics	✗	✗	✓
	PD coupler internally	✗	✗	
	PD coupler externally (incl. control cable 50 m)	✗	✗	

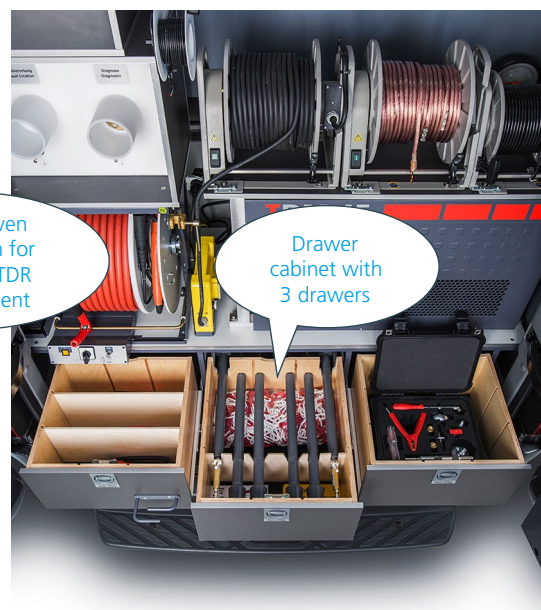
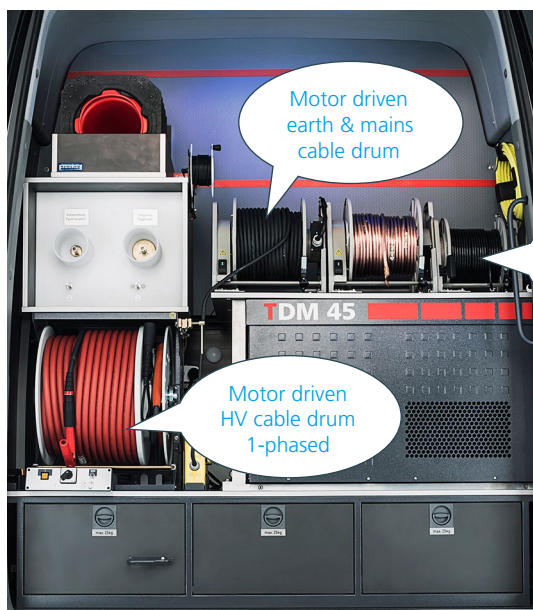


**Step 4. Please select your cable drums and mains connector**

<b>Manually driven LV cable drums (mains supply &amp; protective earth / safety ground)</b>
<b>Belt pull LV cable drums (mains supply &amp; protective earth / safety ground)</b>
<b>Motor driven LV cable drums (mains supply &amp; protective earth / safety ground)</b>
Selection includes: 50 m mains cable (2 x 4 mm <sup>2</sup> ), 50 m earth cable (16 mm <sup>2</sup> ), 10 m step voltage protection cable (2.5 mm <sup>2</sup> )

<b>Mains connector</b>	ROW : Schuko plug
	US
	UK
	AUS

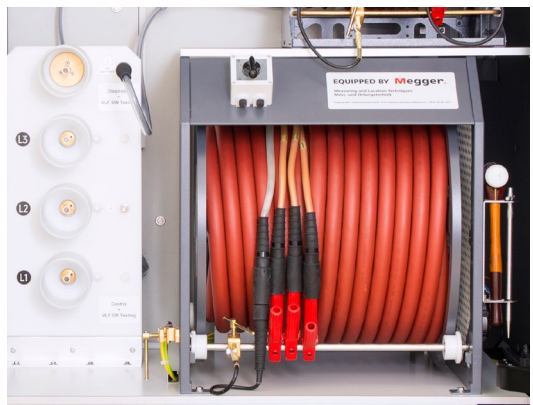
<b>Manually driven HV cable drums</b>	50 m
<b>Motor driven HV cable drums</b>	50 m
<b>Motor driven HV cable drums with slip ring (operational earth / HV return)</b>	50 m
Selection includes: 120 kV EPR cable, shielded	





**Step 5. Please select your cable drums and mains connector**

<p><b>Motor driven HV cable drum</b>                  (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><b>Termination</b></p>	<p>MC 10 connectors</p>
	<p>MC 14 connectors (USA)</p>

<p><b>3-phase reflectometer measurement and insulation test (additional cable drum)</b></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**

<b>Cable identification</b> 	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
<b>Pinpointing</b> 	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
<b>Line location</b> 	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
<b>VLF connection set</b> 	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
<b>Sheat fault location</b> 	MFM 10 portable
	MFM 10 van-mounted
<b>Basic safety package for cable test vans</b>	See safety brochure



**Step 7. Please select your test van equipment**

<p><b>Standard furniture set</b>  <b>Operator room</b>                  Tabletop with 1 drawer cabinet with 3 drawers, 1 cabinet with door</p>	
<p><b>Optional equipment</b></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><b>Suggested vehicles for all test-system configurations</b></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><b>Other transport solutions</b></p>	Trailer	
	Container	





**Step 8. Please select your power supply**

<b>Onboard power supply</b>	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

<b>Special request and comments</b>	
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<b>Your personal contact information</b>	
<b>Name</b>	
<b>Company</b>	
<b>Postal address</b>	
<b>Country</b>	
<b>Telephone</b>	
<b>E-mail</b>	

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**