OMICRON POWER TRANSFORMERS TEST PACKAGES					
Measurements	Test Packages	Details	Test Device		
Capacitance and dissipation factor (Tan delta)	1- Voltage Tip-up test	Transformers and Bushings	CPC 100+ CP TD1		
	2- Variable Frequency	Transformers and Bushings			
	3- Complete (Voltage Tip-up test and Variable Frequency)	Transformers and Bushings			
Routine Electrical tests	1- Normal Routine Tests	a) Transformer Ratio b) DC winding Resistance c) Exciting Current	CPC 100+ CP TD1		
	2- Complete Routine Tests	<ul><li>a) Transformer Ratio</li><li>b) DC winding Resistance</li><li>c) Exciting Current</li><li>d) Short Circuit Impedance/ Leakage Reactance</li></ul>			
Frequency Response Analysis	1- IEC 60076-18	a) Open Circuit End-to-End b) Short Circuit End-to-End			
	2- IEEE C57.149 (Extended)	<ul><li>3- Open Circuit End-to-End</li><li>4- Short Circuit End-to-End</li><li>5- Capacitive Interwinding</li><li>6- Inductive Interwinding</li></ul>	FRANEO 800		
Dielectric Response Analysis	1- FDS on transformers	Transformers water content measurement	DIRANA		
	2- FDS on Transformers and Bushings	Transformers water content measurement and bushings DRA			

OMICRON POWER TRANSFORMERS TEST PACKAGES						
Partial Discharge (PD) Online Monitoring and Locating	1- Online 3-phase PD monitoring	Need for planned switching (very limited time for installation) Various frequency measurements Standard reports with various diagrams 3PARD and 3FREQ features Advanced, fully digital filtering Fully recorded streams for further analysis	3 channel-MPD 600			
	2- Online 3-phase PD monitoring and UHF	<ul> <li>Need for planned switching (very limited time for installation)</li> <li>Measurement in UHF range for reducing the noises</li> <li>Various frequency measurements</li> <li>Standard reports with various diagrams</li> <li>3PARD and 3FREQ features</li> <li>Advanced, fully digital filtering</li> <li>Fully recorded streams for further analysis</li> </ul>	3 channel-MPD 600+ UHF 620			
	3- Online UHF monitoring	NO need for Planned Outage     To assure the existence of PD inside transformer	1 channel-MPD 600+ UHF 620			
OMICRON CURRENT TRANSFORMERS (CTs) TEST PACKAGES						
Current transformer analysis	Testing the bushing and internal CTs the of transformers	<ul> <li>Ratio and Phase accuracy</li> <li>Winding resistance</li> <li>Excitation characteristics (knee points)</li> <li>Composite error (ALF, ALFi, FS, FSi, Vb)</li> <li>Burden impedance</li> <li>Transient CT classes and parameters (TPS,TPX,TPY &amp; TPZ)</li> <li>Remanence and residual magnetism</li> <li>Immediate good/bad evaluation</li> </ul>	CT ANALYZER			

OMICRON GENERATOR AND MOTORS TEST PACKAGES						
Measurements	Test Packages	Details	Test Device			
Online PD Monitoring	3-phase Online PD Monitoring	<ul> <li>Need for planned switching (very limited time for installation)</li> <li>Need for installing the coupling capacitors</li> <li>Various frequency measurements</li> <li>Standard reports with various diagrams</li> <li>3PARD and 3FREQ features</li> <li>Need for external Voltage source</li> </ul>	3 channel-MPD 600			
Offline PD Measurement	Single Phase Offline PD Measurement	<ul> <li>Need for planned Outage</li> <li>Various frequency measurements</li> <li>Standard reports with various diagrams</li> <li>Need for external Voltage source</li> </ul>	CPC 100+ CP TD1+ 3 Channel-MPD 600			
Capacitance and dissipation factor (Tan delta)	Voltage Tip-up test		CPC 100+ CP TD1			
DC winding and Contact Resistance			CPC 100+ CP TD1			
Dielectric Response Analysis			DIRANA			
HIGH VOLTAGE CABLES TEST PACKAGES						
Measurements	Test Packages	Details	Test Device			
Online PD Monitoring	3-phase Online PD Monitoring	NO Need for planned Outage     Various frequency measurements     Standard reports with various diagrams     3PARD and 3FREQ features     NO Need for external Voltage source	3 channel-MPD 600			