Project Full Name

Continuity test



	FAT (Factory Acce	otance Test)				
Project Nam Client Name Panel Seria	Title: Factory Acceptance Test (FAT) Checklist ne: No. / Tag No.:					
1. Ger	neral Information					
Panel T	ype: (Main PLC Control Panel / Remote I/O Panel / VFD Panel / Auxi	liary Panel)				
PLC Bra	and & Model:					
HMI Bra	and & Model:					
Power S	Supply:V AC /V DC					
Drawing	Reference No.:					
Witness	sed by (Client):					
Tested	by (Supplier):					
2. Doo	cumentation Check					
Item	Description	Reference Document		Result V SS FAIL		Deviation Reference
2.1	Approved GA Drawing	<u> </u>				
2.2	Wiring Diagram / Schematics					
2.3	Bill of Materials				l ä	
2.4	Test Procedures				 	
					 	
2.5	Operation & Maintenance Manual					
3. Vis	ual & Mechanical Inspection					
Item	Description	Reference Document	Test Result PASS FAIL N/A		Deviation Reference	
2.1	Devel dimensions as not describe					1
3.1	Panel dimensions as per drawing					
3.2	Material & workmanship (paint, finish) Cable entry locations				H	
3.4	Labeling & tagging (wires, terminals, devices)				 	
3.5	Earthing & tagging (wires, terminals, devices)				 	
3.6	Door locks, hinges, gasketing				片	
3.0	Door locks, filliges, gasketing					
4 Flor	ctrical Verification					
7. LIE	outout Verification					
	Description	Reference Document	Test Result			Deviation
Item			PASS FAIL N/A			Reference
		•				<u> </u>
4.1	Power supply voltage check					

4.3	Insulation resistance test							
4.4	Circuit protection devices (MCB, MCCB, fuses)							
4.5	Control relays & contactors							
4.6	Terminal tightness							
5. PL0	C & HMI Verification							
Item	Description	Reference Document	Test Result			Deviation		
110111			PASS FAIL N/A			Reference		
		_						
5.1	PLC power-up and diagnostic LEDs							
5.2	CPU model and firmware check							
5.3	I/O modules type and quantity							
5.4	I/O simulation test (digital inputs/outputs)							
5.5	I/O simulation test (analog inputs/outputs)							
5.6	Communication ports test (Ethernet, Profibus, Modbus, etc.)							
5.7	HMI power-up and screen check							
5.8	HMI communication with PLC							
5.9	HMI navigation and alarm test							
6. Sys	tem Functional Tests							
Item	Description	Reference Document	Test Result			Deviation		
пеш		Neierence Document	PA	SS FAIL	N/A	Reference		
6.1	Start/Stop sequence test							
6.2	Interlocks verification							
6.3	Emergency stop functionality							
6.4	Alarm and fault simulation							
6.5	Data logging / trending (if applicable)							
6.6	Remote monitoring test (if applicable)							
7. Fin	al Checks							
Item	Description	Reference Document	Test Result			Deviation		
пст	Безеприон	received bocument	PA	SS FAIL	N/A	Reference		
7.1	FAT checklist completed							
7.2	All deviations recorded							
7.3	FAT report prepared							
7.4	Client approval							
8. Sig	natures							
Suppli	er Test Engineer: Date:							
Client Witness / Representative: Date:								
QA/Q	C Engineer: Date:							