

General Inspection plan Title Control Equipment and Process Instrumentation Field Mounted Equipment [Transmitters, Sensors, Switches, Position indicators etc.]	Document KBE IP – 104:2.1
	Issue 3
	Date 2020-04-20
	Supersedes Issue 2

Inspection according to codes below					
<u>Inspection Specification</u> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection		<u>Inspection performed and documented by</u> (2nd letter) E: Manufacturer D: Supplier B: Purchaser		<u>Inspection supervised by</u> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	
				<u>Documentation</u> (4th letter) R: Technical Report P: Inspection Record I: Certificate	
Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Type Inspection					
T1	Environmental verification for normal operating conditions KBE EP-151	TE-R			
T2	Verification of function and performance KBE EP-152	TE-R			
T3	Electromagnetic compatibility Verification KBE EP-153	TE-R			
T4	Seismic qualification KBE EP-147	TE-R			
T5	Environmental qualification for accident conditions KBE EP-154	TE-R			
T6	Withstand voltage test KBE EP-102	TE-R			
T7	Burn-in test KBE EP-104	TE-R			
T8	Ability to withstand variation in power Supply KBE EP-108	TE-R			
T9	Long-term stability of process instruments and control equipment KBE EP-111	TE-R			
T10	Type inspection certification KBE EP-180	TE-I			
T11	Note 1				
T12					
T13					
T14					
Notes					
1. For in-line mounted equipment an additional Mechanical Inspection Plan according to TBM and KBM shall apply					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Visual inspection KBE EP-101	AEBI			
R2	Visual inspection KBE EP-190	AE-P			
R3	Withstand voltage test KBE EP-102	AE-			
R4	Ability to withstand variation in power Supply KBE EP-108	AE-I			
R5	Material quality certificate KBE EP-109	AE-I			
R6	Insulation resistance measurement KBE EP-114	AE-I			
R7	Burn-in test KBE EP-104	AE-P			
R8	Inspection of corrosion protection KBE EP-148	AE-I			
R9	Calibration KBE EP-105	AE-P			
R10	Long-term stability of process instruments and control equipment KBE EP-111	AE-I			
R11	Inspection of temperature sensors KBE EP-136	AE-I			
R12	Setpoint stability of switches KBE EP-143	AE-I			
R13	Functional performance Note 2	AEBI			
R14	Quality and Identity certification KBE EP-180	AE-I			
R15	Delivery Release Inspection Note 3 KBE EP191	AEBP			
R16	Operating Experience KBE EP-187	AE-R			
R17					
Notes 2. The test shall be carried out in accordance with the Manufacturers standard procedure, subject to prior review and approval by the Purchaser. 3. Inspection witnessed by Purchaser in accordance with KBE 100.					