

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)	<u>Inspection performed and documented by</u> (2nd letter)	<u>Inspection supervised by</u> (3rd letter)	<u>Documentation</u> (4th letter)		
A: Routine 100% Insp. S: Sample Inspection T: Type Inspection	E: Manufacturer D: Supplier B: Purchaser	B: Purchaser C: Inspector engaged by purchaser D: Supplier	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					
<p>2. The test shall be carried out in accordance with the Manufacturers standard procedure, subject to prior review and approval by the Purchaser.</p> <p>3. Inspection witnessed by Purchaser in accordance with KBE 100.</p>					