

 <p>IST Innovative Sensor Technology physical. chemical. biological.</p>	<p>ECN – Engineering Change Note</p>		<p>A23.019</p>
<p>Change class:</p>	<p>Class I (customer notification and approval required prior to implementation)</p>		
<p>Project:</p>	<p>General</p>	<p>Release by <input checked="" type="checkbox"/> customer</p>	
<p>Department:</p>	<p>Production</p>	<p><input type="checkbox"/> IST:</p>	
<p>Product:</p>	<p>Platinum RTD sensors</p>	<p>_____</p> <p>Date / Signature</p>	
<p>Customer:</p>	<p>different</p>	<p>_____</p> <p>Name (plain text) / Position</p>	
<p>Abstract of change:</p>	<p>Improvement of the resistance to voltage discharges</p>		
<p><b>Reason(s) for change</b> (<i>refer to attachment if necessary</i>):</p> <p>The scope of the change is a technology upgrade according to the state-of-the-art technology and make the sensor more robust in both, the customer's assembly process and end application. Also due to market requirements, the resistance to voltage discharges (according to IEC 61000-4-2) has been improved.</p>			
<p><b>Change details</b> (<i>refer to attachment if necessary</i>):</p> <p>Optimized meander structure with</p> <ul style="list-style-type: none"> <li>- Uniform specification, performance</li> <li>- Uniform outer dimensions</li> <li>- Unchanged bill of material (raw materials)</li> </ul> <p>Certificates REACH, RoHS, CMRT etc. remain valid.</p> <p>For internal approval, IST performed ESD testing according to IEC 61000-4-2. Using the example of sensor type POK1.202.6W.A.007, the old sensor version (Mat. no. 100870) only passed ESD level 2, but the new sensor version (Mat. no. 153741) passes ESD level 4.</p> <p>In addition, the long-term performance (1000h @ Tmax, 1000h cycling, 1000h at high humidity &gt;95%r.H.) was compared between old and new sensor types. No decrease in performance was observed. According the specification, the change in resistance after 1000 hours is still less than 0.04% of the R<sub>0</sub>.</p>			

**Affected sensors**

<b>Product name</b>	<b>former order code</b>		<b>new order code</b>
P0K1.161.6W.B.010	100137	→	154367
P0K1.161.6W.A.010	100138	→	154366
P0K1.161.6W.Y.010	100139	→	155582
P0K1.161.6W.C.010	100643	→	155583
P1K0.202.2W.B.010.D.S		→	153963
P0K1.202.3W.A.010	101156	→	155548
P0K1.202.3W.B.010	101155	→	155549
P1K0.202.3W.B.010	101116	→	155528
P1K0.202.3W.B.010	151426	→	155528
P1K0.202.3W.A.010	101189	→	155750
P1K0.202.3W.Y.010	101469	→	156194
P0K1.202.3FW.B.007	100850	→	155743
P0K1.202.3FW.Y.007	100953	→	155742
P0K1.202.3FW.A.007	100878	→	155576
P1K0.202.3FW.C.007	100851	→	154735
P1K0.202.3FW.B.007	100849	→	155041
P1K0.202.3FW.A.007	100884	→	155751
P1K0.202.3FW.Y.007	101004	→	155752
P0K1.202.6W.A.007	100870	→	153741
P0K1.202.6W.B.007	100871	→	153742
P0K1.202.6W.B.007.S	151430	→	155716
P0K1.202.6W.Y.007		→	153442
P1K0.202.6W.A.007	100963	→	154721
P1K0.202.6W.B.007	100972	→	155771
P1K0.202.6W.Y.007	152582	→	155770
P0K1.202.6W.A.010	100876	→	155763
P0K1.202.6W.B.010	100877	→	155764
P0K1.202.6W.Y.010	100908	→	155762
P1K0.202.6W.A.010	100896	→	155773
P1K0.202.6W.B.010	100897	→	155772
P1K0.202.6W.Y.010		→	155774
P0K1.202.6W.G.007.S	151438	→	156446
P0K1.232.6W.B.010.D.S	152297	→	154038
P0K1.232.6W.B.010	100116	→	154000
P0K1.232.6W.A.010	100117	→	154004
P0K1.232.6W.Y.010	100118	→	154005
P1K0.232.6W.A.010	100256	→	153766
P1K0.232.6W.Y.010	100257	→	153765
P1K0.232.6W.B.010	100255	→	153768
P1K0.232.6W.C.010	100691	→	155765
P1K0.520.6W.B.010	100284	→	156117
P1K0.520.6W.Y.010	100287	→	156115
P1K0.520.6W.A.010	100285	→	156116

