

## Item Requirement

<b>Product Name</b>	Displacement transducers for the first stage of KSLV2 Propellant tank tests
<b>Model</b>	DTH-A-50 or similar product
<b>Specification</b>	<ol style="list-style-type: none"> <li>1. The sensor that can measure displacement in the specific positions, conditions, and status while static loading test <ul style="list-style-type: none"> <li>- Displacement is measured by the probe attached to the sensor head which has the elastic recovery force to follow the displacement of the test specimen. The range of the force is approximately 1.5 to 4N.</li> <li>- Measure Range: 0~50 mm or <math>\pm 25</math> mm</li> <li>- Cable: 4mm diameter by 2m long, terminated with a Tajimi plug, 4-conductor (0.065 mm<sup>2</sup>) vinyl shielded cable</li> <li>- Temperature range: -10℃ ~ 70℃</li> <li>- Rated output: 5mV/V<math>\pm</math>0.1%</li> <li>- Excitation voltage: 1~4 VDC</li> <li>- Input and output resistance: 350 <math>\Omega</math></li> <li>- Frequency response: DC to approx. 2Hz</li> <li>- Nonlinearity within <math>\pm</math>0.1% RO</li> <li>- Sensor mass (except cables): Less than 75 gram</li> </ul> </li> <li>2. Quantity: 15 EA</li> <li>3. Warranty: 1year after delivery and final acceptance by KARI</li> </ol>

July 12, 2018