


# Displacement (LVDTs)

Our Linear Variable Differential Transformers (LVDT) are available in two series; Industrial and Miniature.

## Industrial


This series has been designed for use in relatively harsh environments and processing areas. The following options allow you to optimise the LVDT.

Standard Spec	Build Options	
Range: $\pm 0.25$ to $\pm 550$ mm Body diameter: 22mm <b>Sealed to IP65</b> <b>Temperature range: <math>-30^{\circ}\text{C}</math> to <math>85^{\circ}\text{C}</math></b>	<ul style="list-style-type: none"> <li>Plain core and extension</li> <li>Spring-loaded core and extension; OR</li> <li>Core and extension with rod end bearings</li> </ul> Cable outlet: <ul style="list-style-type: none"> <li>Radial OR</li> <li>Axial</li> </ul> <b>Sealed to IP68</b> <b>Temperature range: <math>-30^{\circ}\text{C}</math> to <math>150^{\circ}\text{C}</math></b>	
Electrical Output Options		
Either: <ul style="list-style-type: none"> <li>AC (4 or 6 wires)</li> <li>0 to 5V DC (3 wire)</li> <li>0 to 10V DC (3 wire)</li> <li><math>\pm 2.5</math>V DC (bipolar) (4 wire)</li> <li><math>\pm 5</math>V DC (bipolar) (4 wire)</li> <li>4-20mA (3 wire)</li> </ul>		

Please note, not all option permutations (of options) are available. For further information, please visit [www.monitran.com](http://www.monitran.com) and download our LVDT Industrial Data-sheet which includes a detailed selection chart.

## Miniature

LVDTs in this series are ideal for use in applications where space is limited. Also, their small form-factor makes them suitable for use in load cells, pressure transducers, closed-loop control systems and their OEM applications. The following options allow you to optimise the LVDT.

Standard Spec	Build Options	
Range: $\pm 0.25$ to $\pm 50$ mm Body diameter: Up to 9.5mm <b>Sealed to IP54</b> <b>Temperature range: <math>-30^{\circ}\text{C}</math> to <math>85^{\circ}\text{C}</math></b>	<ul style="list-style-type: none"> <li>Core only;</li> <li>Core and extension;OR</li> <li>Spring - loaded core and extension</li> </ul> Cable outlet: <ul style="list-style-type: none"> <li>Radial OR</li> <li>Axial</li> </ul> <b>Temperature range: <math>-30^{\circ}\text{C}</math> to <math>150^{\circ}\text{C}</math></b>	
Electrical Output Options		
Either: <ul style="list-style-type: none"> <li>Ac (4 or 6 wires)</li> <li>In-Line signal conditioner</li> </ul>		

Please note, not all option permutations (of options) are available. For further information, please visit [www.monitran.com](http://www.monitran.com) and download our LVDT Industrial Data-sheet which includes a detailed selection chart.