**RS Stock No: 775-3880 – Review Date – 24/8/2017**

| CURRENT | CORRECTION | COMMENTS |
|---|---|---|
| MFR. PART NO.<br>OP/1.5 Return Spring | 208158/015 | Incorrect part number listed. |
| MAIN HEADING<br>Solartron Metrology Return Spring 1.5mm stroke ±1.5 mm output range IP43, IP65 | Solartron Metrology Optimum Series LVDT Return Spring 1.5mm stroke ±1.5 mm ~~output range IP43, IP65~~<br><br>Should read:<br><br>Solartron Metrology Optimum Series LVDT Return Spring 1.5mm stroke ±1.5 mm | IP rating is not particularly relevant to a return spring |
| PHOTOGRAPH<br> | | The current photograph is an acceptable representation of the actual product that would be delivered. |

| | | |
|---|---|---|
| | | |
| PRODUCT DETAILS<br><br>**Optimum Series LVDT Sensors**<br>The optimum series of LVDT sensors are high performance sensors ideal for use in process control and research applications, the 9.52 mm diameter of these sensors make them an ideal choice where space is limited.<br>Large radial bore clearance<br>9.52 mm body diameter<br>Stainless steel case material<br>IP65 ingress protection<br>**Note**<br>Range of accessories also available:<br>775-3877: universal joints kit<br>775-3871: ball tip and adapter<br>775-3880: return spring<br>775-3883: return spring<br>775-3887: return spring<br>775-3896: return spring<br>775-3899: return spring<br><br>**Linear Variable Differential Transformers (LVDT)**<br>These devices comprise a movable nickel iron core and three coils - one for energisation and two for pick-up. They need to be driven by a sine wave to produce an output amplitude and phase directly proportional to the position of the core with respect to the pick-up coils. A phase sensitive detector is required to demodulate the output signal. The main advantages of LVDTs are;<br>No wear problems as with potentiometers<br>Infinite resolution, high accuracy and linearity<br>No friction introduced into the measured system<br>Available in ranges from ±1mm to ±50mm<br>**Note**<br>RS LVDT's datasheet Stock No. 232-4049 is available on request. | OP series LVDT return spring for use with:<br><br>775-3859 | Current product details are incorrect the current specs are for an LVDT not a return spring. |
| SPECIFICATIONS<br><br>Stroke 1.5mm<br>Input Current Range 1.3 mA<br>Housing Material Stainless Steel<br>IP Rating IP43, IP65<br>Output Range ±1.5 mm<br>Minimum Operating Temperature -40°C<br>Maximum Operating Temperature +150°C | | Current specifications are not relevant. I suggest just removing this section |
| | | |

| | | |
|---|---|---|
| DATASHEET<br><br>OP series datasheet | Remove the OP series datasheet | The linked datasheet is not relevant to this product so should be removed. |