


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

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

**PRODUCT DETAILS**

**Optimum Series LVDT Sensors**

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.

- Large radial bore clearance
- 9.52 mm body diameter
- Stainless steel case material
- IP65 ingress protection

**Note**

Range of accessories also available:

- 775-3877: universal joints kit
- 775-3871: ball tip and adapter
- 775-3880: return spring
- 775-3883: return spring
- 775-3887: return spring
- 775-3896: return spring
- 775-3899: return spring

**Linear Variable Differential Transformers (LVDT)**

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:

- No wear problems as with potentiometers
- Infinite resolution, high accuracy and linearity
- No friction introduced into the measured system
- Available in ranges from ±1mm to ±50mm

**Note**

RS LVDT's datasheet Stock No. 232-4049 is available on request.

OP series LVDT return spring for use with:  
  
775-3859

Current product details are incorrect the current specs are for an LVDT not a return spring.

**SPECIFICATIONS**

<input type="checkbox"/> Stroke	1.5mm
<input type="checkbox"/> Input Current Range	1.3 mA
<input type="checkbox"/> Housing Material	Stainless Steel
<input type="checkbox"/> IP Rating	IP43, IP65
<input type="checkbox"/> Output Range	±1.5 mm
<input type="checkbox"/> Minimum Operating Temperature	-40°C
<input type="checkbox"/> Maximum Operating Temperature	+150°C

Current specifications are not relevant. I suggest just removing this section

DATASHEET OP series datasheet	Remove the OP series datasheet	The linked datasheet is not relevant to this product so should be removed.
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