RS Stock No: 775-3868 – Review Date – 23/8/2017

CURRENT	CORRECTION	COMMENTS
MFR. PART NO. 926227		Part number listed is correct
MAIN HEADING Solartron Metrology LVDT, ±6mm stroke -40°C +150°C, 5V dc	Solartron Metrology LVDT, ±6mm stroke -40°C +150°C~~, 5V dc~~ Should read: Solartron Metrology LVDT, ±6mm stroke -40°C +150°C	Current heading is incorrect. The supplied device is unconditioned so it will not give a 5V DC output without additional conditioning electronics. An additional conditioning module would allow a variety of outputs and would make the device far more flexible.
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.		Current product details are correct. Only one of the five listed optional return springs will fit this LVDT but the essential extras links are set to the correct option so I do not think it is worth making and change to this section.
SPECIFICATIONS Stroke ±6mm Input Current Range 4.5 mA Energising Voltage Range 1 ⇾ 10 Vrms Output Voltage Range 5V dc Sensitivity 78 mV/V/mm@ 5 kHz Overall Height 46.5mm Overall Depth 9.52 (Dia.)mm Minimum Operating Temperature -40°C Maximum Operating Temperature +150°C	Energising Voltage Range: 1-5 Vrms	The energising voltage should be 1-5Vrms. The overall height and depth values are for the body only and do not include the core and carrier. I don't think it is worth changing this at this point.
DATASHEET Optimum series datasheet		Correct