SICK's OD1000 Goes the Extra Distance for Precision

The SICK OD1000 displacement sensor sets new standards in high-precision distance measurement with its extremely long 1 metre scanning range and a resolution down to 450µm. Developed by SICK to achieve high consistency and linearity in measurement results on many different surfaces and colours, even at high production speeds, the OD1000 goes the extra distance for performance and value.

Many automated industrial processes such as the metal forming and automotive industries, depend on such precision measurements, for example for on-belt positioning, metal sheet edge counting and diameter checks on spools or coils for unwinding tasks. The OD1000 offers new levels of precision and range at an affordable mid-price point. With intelligent measurement filters incorporated in the firmware, objects with virtually any surface or colour of object can be reliably measured.

Says Neil Sandhu, SICK's National Product Manager for Measurement Systems: "The OD1000 delivers excellent results over a wider distance range than has ever been achievable previously. The OD1000 simplifies machine integration and is easy to install and commission.

"Users welcome the fact that it is a compact, low-cost, single unit device that's easy to install. It is very easy to mount and set up, with an on-board OLED display. Using the SICK SOPAS parameterisation software, with its innovative new menu structure, allows easy distance visualisation and teach-in."

The OD1000 incorporates SICK proven IO-Link communications to enable set process parameters to be uploaded and saved, making commissioning and device replacement swift and error-free. IO-Link also provides opportunities for enhanced data handling and diagnostics.

A choice of outputs is available including switchable, scalable analogue (MA/V) and push-pull. The OD1000 represents good value for its performance and capabilities as part of the SICK OD range of

laser scanners, which represent a comprehensive selection of performance and value to suit measurement applications.

For more information on the SICK OD1000, please contact Andrea Hornby on 01727 831121 or email andrea.hornby@sick.co.uk.

Issued on behalf of: SICK (UK) LTD, Waldkirch House, 39 Hedley Road, St Albans, Hertfordshire, AL1 5BN.