

Low price, high performance: new distance sensor for medium measurement ranges

Waldkirch, November 2008 – Precise, immune to ambient light and maintenance-free: these are just a few of the advantages of the new measuring and switching distance sensors of the DT50 series from SICK. The devices have been designed for medium ranges of up to 10 m. With properties such as 20 ms response time, 1 mm resolution and 10 mm accuracy, the DT50 offers innovative sensor technology with an interesting price/performance ratio – perfectly suited for the most varied of positioning tasks, presence inspections and anti-collision solutions.

As a result of the rugged device design with its IP65 zinc die-cast housing, its exchangeable protective front screen for welding applications, and its temperature range of from -30°C to + 65°C, the DT50 is just as suitable for deep-freeze stores as for steelworks and hot rolling mills.

Advantages for integrators and users

The DT50 – the latest addition to SICK's distance portfolio – has consistently been designed for ease-of-use and lack of maintenance. Integrators principally profit from the sensor's rapid adjustability via an intuitive display menu, as well as its uncomplicated and precise alignment. Plant operators will quickly forget about the DT50 because the

PRESS RELEASE

device is not just entirely free of maintenance, but is also immune to ambient light up to 40 Klux thanks to the new double frequency coding – and thus offers high availability.

Wide range of use

The DT50 is capable of solving numerous tasks efficiently. These include positioning functions, as well as presence and occupancy inspections in automatic storage systems, or monitoring distance on Telpher conveyors and collision prevention for gantry cranes and automated guided vehicles. But the DT50 also solves interesting applications in production and process technology, e.g. regulating slack during tyre production, positioning welding robots, or on packaging machines and roller printing plants.