

SPRING  
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NEWSLETTER

# SENSEMASTER

Sensing and Heating Solutions

## Roy's gone 'Round the Horn'

After retiring early last year, Roy Davies MD, returned to the love of his life - **Jazz**



Roy is the front man for the band 'Round the Horn', playing in Jazz clubs, hotels, and Public Houses. Roy has also founded the 'Round the Horn Jazz Society' to help promote Jazz events in the South Wales area.

He still offers Sensemaster valued assistance and experience in more challenging sensor applications, but is never more than an arm's length away from his trusty trumpet.

## Sick safety - the **New C4000**



The Sick FGS guard has also finally come to retirement. Sick now present their new range of C4000 light guards for use in Category 4 applications.

The C4000 offers more cost effective solutions for standard safety applications and a wider range of choices for more challenging ones. These choices include ATEX approval, Cascadable, Micro and even an IP67 version for wash down areas.

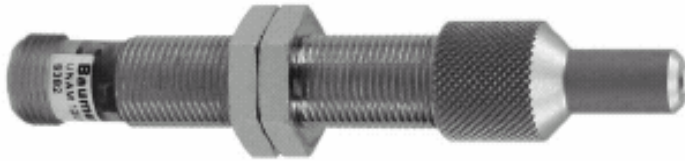
## Sick S3000 laser scanner

- Scanning ranges of 4m, 5.5m or 7m.
- Configurable scanning area for a protective field to activate an emergency stop.
- Configurable warning field to activate visual or audible alarm.



Please see overleaf for new product details on **Baumer electric** and **WATLOW**

## Ultrasonic sensors with extremely narrow projection cone



Even the standard models of the M12 ultrasonic sensors have an extremely narrow projection cone. With acoustic lens attachments, the spread can be reduced even more to  $< 3.5$  mm at close range. In this way, the sonic energy can be directed through cut-outs or into narrow openings.

The mini ultrasonic sensors are therefore ideal for level measurements in microtitration plates, test tubes and blister packages. With a resolution of 0.3 mm, even the smallest level changes can be easily detected. Models with PNP switched outputs and 0-10 VDC analogue signals are available. The switching point, desired measuring range and the polarity of the analogue signal can be configured conveniently via the external teach-in input.



**Baumer electric**

## Watlow's 1/8" diameter FIREROD® cartridge heater



Watlow's miniature FIREROD® cartridge heater is a high performance unit that features an 1/8-inch diameter and internal thermocouple option for temperature control, making it an ideal solution for space-restricted applications. The heater also features a helically wound resistance wire that produces high watt densities and contributes to long service life.

Similar to other FIREROD cartridge heaters, Watlow's 1/8-inch FIREROD sheath is resistant to oxidation and corrosion, even at high temperatures. It also undergoes a swaging procedure that is

designed to improve dielectric strength, heat transfer and tolerance to shock and vibration. Users can achieve desired process temperatures more quickly, with lower resistance wire temperatures, which is ideal for reducing energy costs and an important factor in determining heater life.