

2009

NEWSLETTER

SENSEMASTER

Sensing and Heating Solutions

Anti-Static Solutions from Sensemaster



Sensemaster has been appointed as a distributor for Fraser Anti-Static Technologies. Static electricity affects most industries that process materials such as plastics, packaging, paper, printing, coating, optics, electronics and textiles.

Sensemaster can now provide high quality, cost-effective solutions to the problems that static can cause. Static electricity can cause materials to stick to machinery or to each other, and also attract airborne dust and other contaminants to the product from up to 1m away. Static discharges can give an unpleasant shock to personnel, and can be potentially dangerous in the presence of combustible materials. Static electricity can also cause failure of electronic components and 'fogging' or 'overspray' in the printing industry.

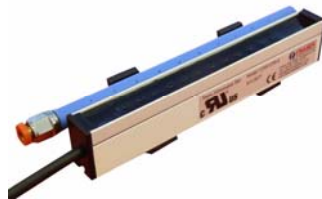
Static Control Equipment



1250 / 1250S Static Bar



1260 Pointer Static Bar



1250 Air bar

- * Static eliminator bars
- * Ionised air blowers
- * Ionised air guns
- * Ionised air nozzles
- * Static meters
- * Ionised air knives
- * Anti-static brushes & tape
- * Anti-static tinsel & cord
- * Ex static eliminators & meters
- * Static generators



4100 Ionised Airgun



Anti-static brushes and cord



715 Static Meter



3850 & 3700 Ionstorm

Details on new products from WATLOW + Baumer + Telco overleaf



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Sensing and Heating Solutions

Ultramic heater achieves 150°C per sec heat rise

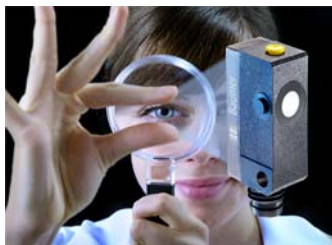


Watlow's new Ultramic electric heater is manufactured using sintered ceramic materials, providing many benefits including uniform temperatures, high durability at low mass, a rapid ramp rate and an extremely low coefficient of thermal expansion. This allows the heater to achieve temperatures of up to 600°C with a ramp rate of up to 150°C per second, depending on process parameters.

This heater also contains an integrated thermocouple configuration that improves the reliability of the sensor/heater interface to ensure fast responsiveness during high ramp rate applications. Watlow's ULTRAMIC heater can be designed and manufactured in two-dimensional flat or ring forms, or machined to meet specific

design requirements. The unique characteristics of this product make it suitable for use in semiconductor processing, wire and die bonding equipment, analytical instrumentation, aerospace and medical device industries.

Miniature ultrasonic with big performance



Baumer's SONUS is currently the most compact ultrasonic sensor on the market with a tiny housing of just 10 x 14 x 27 mm. This is a housing for countless applications, particularly for installation in the smallest spaces.

Ultrasonic technology permits objects to be detected regardless of their colour or transparency. The scanning range is astounding at 200 mm. This sensor has a repeatability of 0.5 mm and a tiny blind range of only 10 mm. Digital proximity, retro or analogue output versions are available. The range is completed by a customised package of accessories.

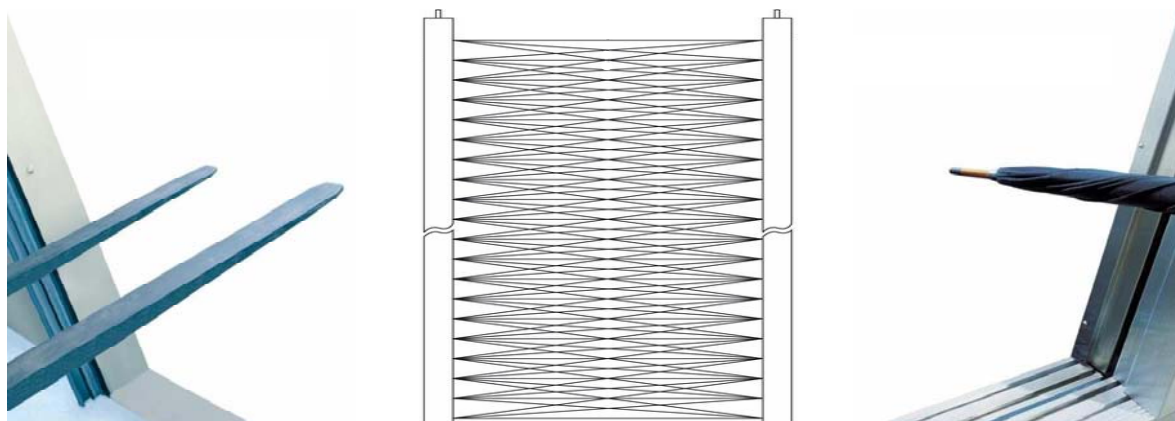
Industrial Light Curtain for roller shutter doors



Telco's new SpaceGuard SG10 is designed especially for industrial automatic doors and gates where high performance and durability are required. The SG10 has a maximum range of 10 metres and is immune to a high degree of ambient light.

Two models are available: a high performance 40 channel model, with 194 cross scanning beams, and a cost effective 20 channel model with 94 cross scanning beams. Both are housed in a sturdy aluminium, slim line, 9.8 mm profile with an active height of 1800 mm, and supply a direct NPN or PNP transistor output. The SG10 series will automatically adjust to its surroundings during and after installation by compensating for misalignment and contamination during operation. When the time-out feature is enabled, up to 4 non-adjacent channels may be ignored if obstructed for 60 seconds or more.

Latest technology and optical components provide a dense sweeping curtain of cross scanning beams, ensuring that nothing passes unnoticed. You can rely on this arrangement detecting the forks from a forklift truck, and should your forklift driver accidentally leave his broly in the way, it will detect that as well!!



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