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Dual Display Fiber Amplifier

New DF-G1 Expert handles small part detection and low contrast situations

Mülheim, March 22, 2012 – A dual display fiber optic amplifier that can be easily programmed for a wide range of applications and conditions has been introduced by Turck's partner Banner Engineering. The new DF-G1 Expert has two easy-to-read digital displays showing signal level and threshold simultaneously for simple operation and pinpoint accuracy. Its expert "teach" and "set" methods allow users to modify response time, signal level and sensitivity. This flexibility allows the unit to support many sensing needs, including low contrast situations, small object detection and parts in place verification.

The 10 mm wide amplifier is designed for use on machines performing part detection in packaging; electronic assembly; pill, caplet and syringe counting for pharmaceutical and medical device manufacturers; and high speed edge detection for web processes and material handling. It assures accurate low contrast detection of small objects and supports machines with high sensing point density, where the fiber allows accurate detection in confined locations.

Sensing output is compatible for interfacing with all standard PLCs, HMIs and other machine control systems. An advanced crosstalk avoidance algorithm allows multiple sensors to operate in close proximity. The operator can use variable settings to optimize performance for the best balance of speed and distance.

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Multiple DF-G1 fiber amplifiers operate together to support electronic assembly processes

Text and image (300 and 72 dpi) can be downloaded from the internet at: www.turck.com/press

PRESS CONTACT
Klaus Albers
PR Manager
Phone: +49 208 4952-149
Mail: klaus.albers@turck.com
Web: www.turck.com/press

CONTACT
Hans Turck GmbH & Co. KG
Witzlebenstraße 7
45472 Mülheim an der Ruhr
Germany
Mail: more@turck.com
Web: www.turck.com