



# Distance Measuring Sensors



**Fig. 1** Using phase correlation, the DMEs provide a 1 mm resolution out to 500 m

The DME 2000 and DME 3000 Distance Measuring Devices use phase correlation to measure the transit time of light from a semiconductor Class II laser and calculate the distance to the target. External data processing can be accomplished with an 8-digit display, a serial interface or an analog current output. The DMEs offer two user-selectable outputs and a user-friendly menu helps customize the device's parameters to individual application needs.

The WTA 24 is also excellent for distance measuring in both short and long distance applications. It uses an infrared light source and a patented system of parabolic mirrors to produce highly accurate, repeatable analog readings regardless of target color or reflectivity. It can even detect objects with as little as 6% reflectivity and can easily be integrated into transfer and processing lines.