

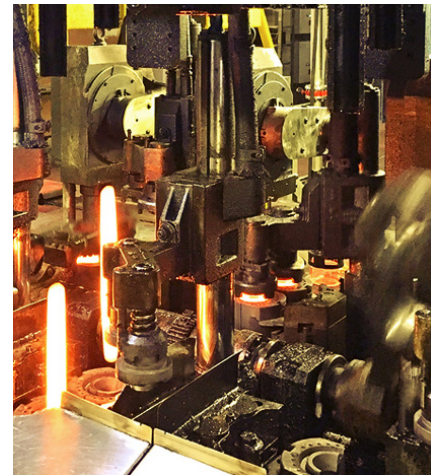
GLASS MOLD TEMPERATURE MEASUREMENT

THE OPPORTUNITY

Hand blown glass vases and bottles are now largely artistic ventures, while modern methods have replaced the glassmith with high capacity production machines.

In the final stages of the glass container forming process, the molten gob is cut and dropped/blow into a mould where the shape and features of the container is defined. While this forming process has many variations, the temperature profile of the molds is critical to producing quality products.

The measurement of glass mold temperatures requires a very rapid operation because the molds open and close at high speed. A pyrometer with a short response time is necessary. Since it is a measurement of a metallic surface, a pyrometer with spectral response in the short wavelengths and very short response times (1 to 2 ms) are needed.



OUR SOLUTION

Advanced Energy has a wide variety of portable and fixed pyrometers and thermal imagers that are suitable for mould measurements. These solutions all feature a short wavelength detector suitable for accurate temperature measurement on metal moulds, and fast response to ensure capture on fast moving components.

Because of the varying temperature ranges, and installation configurations it is recommended that you consult with our Applications Engineering team for selection of the final product. Some recommended models include

- IS 140
- IGA 140
- ISR 12-LO
- IGA 12
- IS 8 pro
- IGA 8 pro



YOUR BENEFITS

- Fast measurement rate allowing high throughput
- Rugged design for reliable operation in harsh environments
- Full accessory package including sensor cooling & air purge
- Short wavelength detectors for improved temperature accuracy
- Digital communication for easy configuration and data capture



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