

# *Demand Moore Reliability*

## The WORM® Thermowells for Ore “Roasters”

A copper and gold mine uses “roasters” to melt rocks as part of the process of extracting precious metals. The thermowells are 36” to 48” long and measure the internal temperature of the roasters. The constant pressure from rocks being poured onto the thermowells combined with heat deformation causes the thermowells to become bent over time. This can cause straight sensors to fail or become stuck inside of the thermowell.

The WORM® flexible sensor takes care of this problem. It can slide down bent thermowells and is durable enough to withstand the pounding it receives from tumbling rocks. It is also easy to replace, saving on the costs of replacing an entire thermowell that occurs when a straight sensor becomes stuck. The WORM is available with tip that has a special high-temperature potting solution. The high-temperature wire shield is rated for service at up to 1800°F.

