

CUSTOM ENGINEERING LEVEL I

CUSTOM MODIFICATIONS

Hot Ash Bins Are No Place for
Standard Level Switches, So This
Facility Switched to OMEGA®!

A CASE IN POINT

An engineer at a large coal-burning facility needs high-performance instrumentation to detect high ash levels in hot-ash bins.

PROBLEM

The high-sulfur coal ash can reach temperatures up to 427°C (800°F) and is highly abrasive. The typical life expectancy of probes in this environment is limited, and an extremely rugged, high-temperature level switch is required. No problem!

OMEGA® SOLUTION

First, we modify the design of an OMEGA® LV-3000 radio frequency (RF) electronic level switch. Then, we custom engineer a unique probe made of ceramic and stainless steel, capable of withstanding the rigors of this application. The electronics can be remotely located with 6 m (20') of coaxial cable. This probe withstands temperatures up to 538°C (1000°F), and, since it has no moving parts, reliability is very high. Best of all, the customer reports tremendous success with all three devices!

OMEGA supplies this product at \$1250 each. 



Standard OMEGA® LV3000 Level Switch Is Modified for High Temperature Ash-Level Application

\$1250

PHONE, FAX OR E-MAIL
WITH YOUR SPECIAL REQUESTS

1-800-82-66342®
1-800-TC-OMEGA

Custom Engineering Fax:

1-203-359-7890

e-mail Custom Engineering
custom@omega.com

Other Examples of Custom Modifications...



Radiant Energy Shield Protects Element in Air Flow from Airborne Particles and Thermal Radiation

\$175



Dual Calibration Subminiature Sensors for Existing Equipment Provide Quick Response

\$89