

COOLING WATER
Fossil Fuel Power Plant, UK

Site Characteristics: 3 meter (9.8-ft) diameter steel pipe.

Configuration: 4-path full-pipe meter.

Transducers: Model 7605 Stainless Steel Sealed Window Transducers

Installation Details: Transducers were installed in a vertical path arrangement to work around existing pipe fittings.

Operation Details: The meter is being used for calculating real-time efficiency of the plant condensers. Water temperature, calculated by the flowmeter as a result of making travel time measurements along known acoustic paths lengths, is a key value in calculating this efficiency. The customer expects to use the real-time data to predict equipment failures before they happen or to look for step changes that are not easily detected using their existing computer model, which involves a 1-hour time lag.

