

The Ash Probe



The **Ash Probe** is a hand portable instrument capable of providing the user with a quick assessment of the ash content of piles of coal. It is easy to use and displays accurate results within seconds. It contains no radio-active sources.

General Description

The **Ash Probe** comprises two parts: a Probe and a Display Unit.



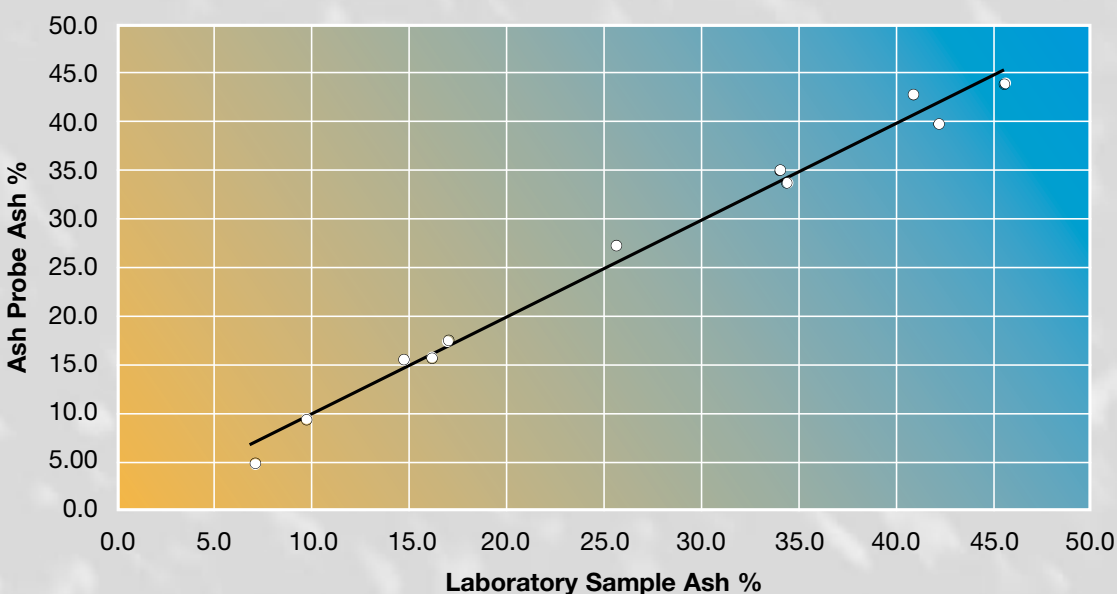
Probe and Display Unit with calibration equipment

To obtain an ash reading the Probe is pushed into the pile to be tested. After a few seconds an ash result is shown on the Display Unit. In order to obtain an accurate assessment of the whole pile the probe is inserted at several locations. The **Ash Probe** provides an average ash from up to 18 separate measurements from an individual coal pile. Results from up to 18 different coal piles can be maintained. Calibration is readily achieved by the customer using the supplied calibration sample gathering equipment. The Display Unit can store up to 9 separate calibrations for different coal types.

Main Features

- Simple to use
- Accurate results within seconds
- Provides cumulative ashes from up to 18 measurements per pile
- Stores ash content of up to 18 piles
- Easy to calibrate
- Can store up to 9 calibrations
- Can download data to a computer
- Optional printer available

Typical Ash Probe Calibration



Accuracy

Tests on a wide range of coals have shown that the **Ash Probe** can provide the ash content to closer than 1% ash (10).

Applications

Quick testing of:

- Run of Mine (ROM) coal
- Washed product
- Screened product
- Small scale blended product
- Unknown coals prior to blending
- Coal deliveries to blending plants or power stations
- Coke deliveries to steel plants



Ash Probe Display Unit



Ash Probe in use

Benefits

- Much quicker than conventional sampling and analysis
- Can blend more accurately, leading to a premium product
- Can reject inferior coal or negotiate lower price
- Reduce sampling effort, leading to reduced costs

Probe

600mm long by 55mm in diameter

Weight 4kg (in carry case)

Display Unit

340mm by 300mm by 150mm (all max)

Weight 6kg

Internal 12V rechargeable sealed lead acid battery

Minimum 20 hours continuous operation

Includes mains charger

For further information contact:

Bretby Gammatech Ltd

Bretby Business Park, Ashby Road

Burton upon Trent, DE15 0YZ, UK

Telephone +44 (0) 1283 553178 Fax +44 (0) 1283 553183

Website

www.bretbygammatech.demon.co.uk

www.bretbygammatech.com

Email info@bretbygammatech.demon.co.uk