

# PYLOX

Laboratory meter of  
non-combustible solids content



Fast, fully  
automatic  
measurement

- measuring the content of non-combustible solids  
in coal dust
- simultaneous measurement of ash and sulphur content  
in coal
- high measuring accuracy
- easy-to-operate, energy- and time saving device



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## TECHNICAL DATA

✓ Measuring range:	
- non-combustible solids content	45 ÷ 100%
- ash content	2 ÷ 40%
- total sulphur content	0 ÷ 5%
✓ Grain size of the sample	below 0.2 mm
✓ Mean measuring error with respect to chemical methods:	
- for non-combustible solids content in dust	≤2% Na
- for ash content in coal	≤0,5% A <sup>a</sup>
- for total sulphur content in coal	≤0,1% S <sup>a</sup> <sub>c</sub>
✓ Measurement duration	100 s
✓ Visualisation of measuring results	on monitor and printer
✓ Radiation source	Pu-238 or Cm-244 with the activity of max 3,7 GBq
✓ Radiation detector	proportional counter
✓ Supply voltage	230 V, 50 Hz
✓ Consumer power	≤60 VA
✓ Overall size	regardless of the version, the device occupies the area no bigger than 600 × 1200 mm

The Pylox is designed to quickly determine the content of non-combustible solids in coal dust sampled for the zones which protect against dust explosions. The device also measures the ash and total sulphur content in coal samples, in an analytical state.