

MPOF-2

Optical ash meter



Continuous content
measurement
ash in flowing
waste coal
flotation

- measuring range 40% - 90% „A^A” ash content
- mean measuring error less than $\sigma < 3,5\% A^A$
- the device is safe and maintenance-free, built with modern and corrosion-resistant materials
- low power of the device: 25 VA

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Optical ash meter

TECHNICAL DATA

✓ Operating test	
- measuring range	40 - 90% A [^]
- grain size of a coal sample	≤ 0,7 mm
- concentration of flotation waste	> 15 g/l
- measurement error (standard deviation of scaling curve)	1σ < 3,5% A
- working temperature range	+5°C - 40°C
✓ Mechanical parameters	
- size	
- box operator	300x400x150 mm (height/width/depth)
- head	φ125 mm h = 480 mm
- weight	
- box operator	9 kg
- head	3,5 kg
- maximum distance between box operator and head	up to 1000 m
- casing protection degree	
- box operator	IP 54
- head	IP 67
- material from the device was made	
- box operator	powder-coated casing/ casing made of stainless steel
- head PA6GF30	poliamid reinforced with fiberglass
✓ Electrical parameters	
- power supply	230 V AC ± 10%, 50 Hz
- power consumption	25 W
- output signals	2 current output: 4 - 20 mA
✓ Language version	Chinese, Russian, English, Polish

Description:

- continuous content measurement ash in flowing waste coal flotation
- on-line measurement
- optical device using modern photodiodes
- evaluation of the correctness the flotation period conducted
- possible use for the purpose of automatic regulation of the flotation process
- increasing the efficiency of flotation processes, and therefore improving the economics of the process