

RODOS

Ash meter without isotope



ON-LINE
MEASUREMENT
OF THE ASH
CONTENT
AND MASS
OF HARD COAL,
BROWN COAL,
LIGNITES,
AND WASTE
PRODUCTS

- on-line quality and quantity monitoring of: raw coal, feed for a preparation plant, coal transported from the mine directly to a power plant
- wide measurement area highly representative results
 - chemical composition and moisture of the tested material do not affect the accuracy of ash content measurements
- fully secure work

RODOS

Ash meter without isotope

Technical data

- ✓ Type of tested material
- ✓ Grain size of coal
- ✓ Minimum depth of the coal layer on the belt
- ✓ Measuring range
- ✓ Measuring error (statistical error, absolute error specified by value) taking into account the sampling error **and chemical methods error depending on the type of coal:**
 - for the coal of grain size 0÷200 mm
 - for small coal
- ✓ Readout accuracy
- ✓ Type of measurement
- ✓ Visualization of measurement results
- ✓ Outputs
- ✓ Rated supply voltage
- ✓ Consumed power
- ✓ Installation conditions
- ✓ Overall size and weight of subassemblies (depending on the width of the belt):
 - casing with the measuring head:
 - length
 - height
 - width
 - weight
 - electronic block
 - MWT belt-way scales
- ✓ Working conditions:
 - **ambient temperature**
 - relative humidity of air at the temperature of 20°C
 - atmospheric pressure

hard coal, brown coal, lignites
 0÷200/300 mm
 ~100 mm
 5÷80%

$\sigma = 2\% A^a$

$\sigma = 1 \div 1,5\% A^a$

0,1%

dynamic, contactless, automatic
 on monitor and displays
 analogue 4÷20 mA, RS-485/422, modems
 220 V_{sk}, 50 Hz opcja: 42 V_{sk}, 50 Hz
 < 10 VA
 any type of belt (e.g. reinforced)

2500÷4800 mm

750÷340 mm

1520÷2700 mm

1500÷4200 kg

280×280×150 mm, 3 kg

belt width × 960 mm, 161÷272 kg

5÷40°C, optionally -20÷40°C

20÷80%

700÷1060 hPa

The device has been designed to measure the quality of coal in the underground of mines and in coal preparation plants. It is adapted to work in control systems, has user-friendly software adapted to the user's needs, works on-line and makes use of information in the control and supervision system as well as in the production planning system.

Fully secure work – the device does not need admission from the National Atomic Energy Agency in Warsaw

Anti-explosion structure

IM2Exmbd [ia/ib] I

EC-type examination certificate 

KDB 06 ATEX 119X

Conformity mark