

INTRINSICALLY SAFE ANALOG SEPARATOR **ISA-1**



Catalogue card



DESCRIPTION

Intrinsically Safe Analog Separator ISA-1 is used to adjust the intrinsically safe parameters of analog sensors to the central analogue unit (eg. CSA-1 / CSA-2 produced by HASO SC). The separator can be used with analog sensors with output 0-2V, equipped with a connector type EN 175301-803 (DIN 43650) Type A eg. Aplisens PC-29A / Ex.

The separator is a device of M1 category and, therefore, may be used in all underground mines with methane or coal dust explosion hazard.

TECHNICAL SPECIFICATIONS

Intrinsically safe analog separator ISA-1

Working temperature	from -10 °C to + 40 °C
Relative humidity range	from 0% to 95% without condensation
External dimensions	68 x 34 x 35 mm
Weight	0,1 kg
Casing internal protection	IP65
Intrinsically safe parameters	$U_i = 15V$; $U_o = 12,7V$; $I_o = 30mA$; $P_o = 0,38W$ $L_o = 5mH$; $C_o = 4,6\mu F$

EXPLOSION-PROOF MARK



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EC-TYPE EXAMINATION CERTIFICATE: TEST 15 ATEX 0006X

PHOTOS



Separator ISA-1 with cable



Separator ISA-1 with connected sensor