



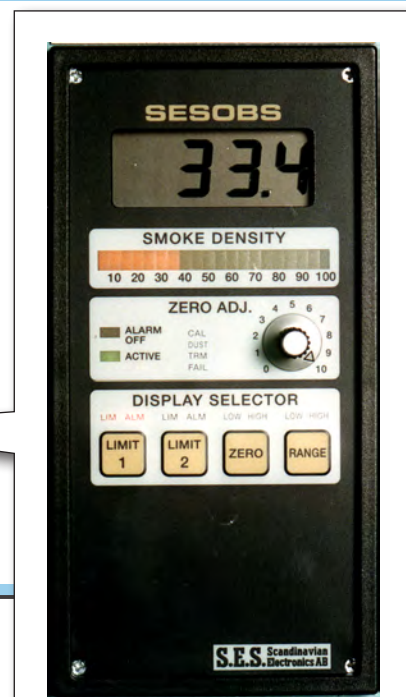
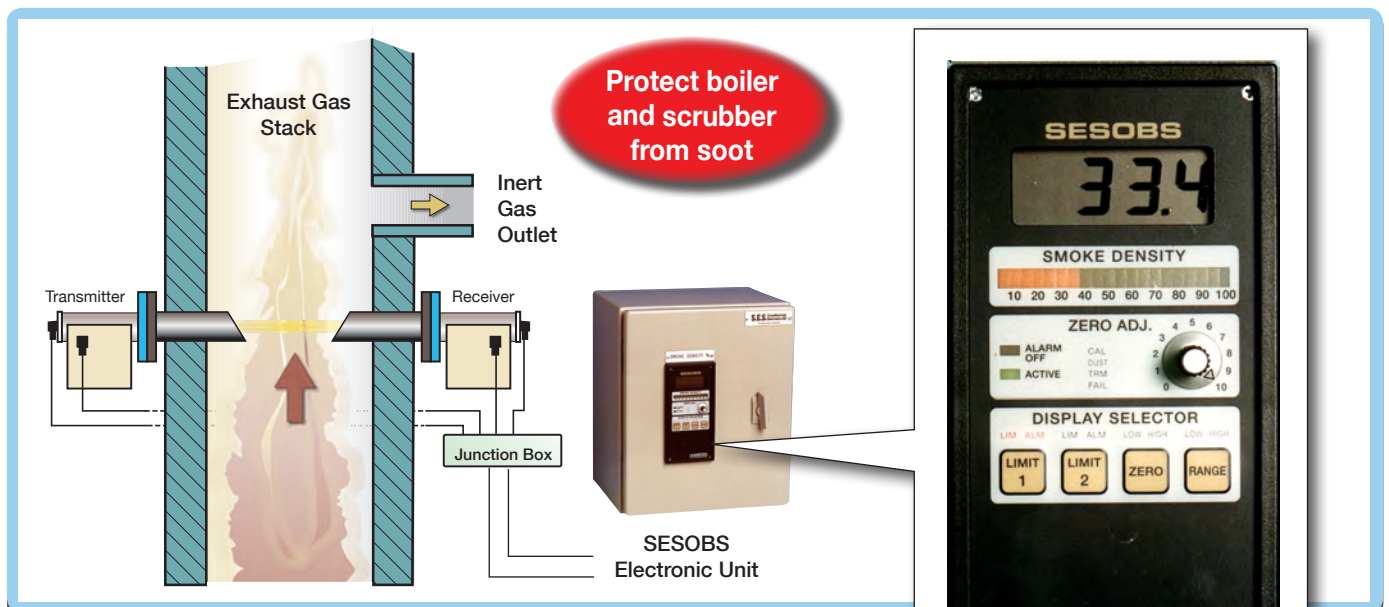
SES OBS

Smoke density monitor was not available in the good old days but today...



...you can prevent expensive environment polluting smoke discharge

- Designed for ships
- Internal sealing air fans
- Alarm during IG operation
- 2 alarm limit switches
- Individual alarm time delay
- Alarm for dirty lens
- Easy lens cleaning
- Alarm interlock from BMS
- 4-20 mA for indicator



Most other monitors must be fitted **above** the IG outlet = no smoke alarm during inert gas operation

Technical Data

	Wall box	Panel mounting DIN box	Transmitter/receiver with fan ⁶⁾	Transmitter/receiver without fan	Stack adapter	Translation flange
Dim. W x h x d mm	250 x 330 x 220 ¹⁾	72 x 144 x 210	102 x 220 x 260 ^{2,3)}	80 x 87 x 260 ^{2,3)}	ø 54 x 350 ^{2,3)}	170 x 170 x 15 ⁴⁾
Weight kg	6,7	1,2	3,4	1,7	3,8	5,2
Material	Steel	Noryl/Al	Stainless steel/Al	Stainless steel/Al	Iron	Iron
Colour	Grey (RAL 7032)	Black	Natural	Natural	Rust protect.	Rust protect.
Stack dia. m			0,3 - 6	0,3 - 6		
Pressure in stack			10 mm w.g. continuous max.	Limited only by external sealing air fan		
Environment temp. °C	0 - 55	0 - 55	0 - 70	0 - 70		

CE	Power supply VAC	Power consumption	Fuse	Alarm contacts	Input max.load	Output
Wall box	220 - 230 ±15% (110 - 115 ±15% (on request))	70 VA	1 A internal	24V 0,5A 10W	24 VDC ± 20% internal/external source	4 - 20 mA R _L ≤ 200 Ω int. source R _L ≤ 50 x (VCC-8) external source
Panel mounting DIN box	45 - 66 Hz	15 VA	315 mA internal ⁵⁾ (slow blow)	24V 0,5A 10W	24 VDC ± 20% internal/external source	4 - 20 mA R _L ≤ 200 Ω int. source R _L ≤ 50 x (VCC-8) external source

¹⁾ Cable glands 1 pce TGC 5-14, 4 pcs TGC 5 - 10.

²⁾ Measures not complete.

³⁾ Flange DIN 2576, PN10 DN50.

⁴⁾ Fits existing adapters of other make: RT3F, Mark 2, OM.80. Connection to other makes on request.

⁵⁾ External fuse for sealing air fans is required. 1A is recommended for transmitter/receiver with internal sealing air fans.

⁶⁾ Adds less than 0,1% O₂ to the inert gas when fitted below the IG outlet.



Wall box



Panel mounted DIN box



Transmitter/receiver with fan



Transmitter/receiver without fan



Translation flange

Ordering Information

Type No. 220-230 VAC (110-115 VAC on request)	Wall box	Panel mounted DIN box	Internal sealing air fan	for external sealing air fan	5 m cable trm/ rec	Stack adapter	Translation flange
043907-42	X		X		X		
043912-42	X			X	X		
043463-42		X	X		X		
043911-42		X		X	X		
043480-41						X	
043890-31							X

SES Combustion AB are specialists in control systems for oil- and solid fuel fired steam boilers and exhaust gas boilers

Others products:

SESCON	PID controller, very operator friendly
SESSEL	Ratio unit for combustion curves
SESMON	Flame scanner amplifier with sequence indication
SESLIM	2-channel limit switch
SESQUAL	Signal comparator

Complete PLC-Based Control System



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