



ELECTRONIC TECHNOLOGIES FOR THE ENVIRONMENT

Electronic control systems for dedusting plant for air and gas

- **PRODUCTS FOR NON-CLASSIFIED AREAS AND ATEX ZONES**
- Sequencers with and without digital differential pressure control
- Differential pressure control
- Absolute pressure control
- Emissions control
- BUS-SYSTEM: Sequencers with 3-wire serial connection
- Devices with RS485 serial line for sending data to the ESANET software
- Equipment for classified areas ATEX ZONE 22
- Equipment for classified areas ATEX zona 1-21 explosion-proof



Remote management software for dust collection systems

- ESANET: Software for Remote Management via RS485

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Ex22 = ATEX ZONE 22

Ex1d = ATEX Zona 1, 21 in explosion-proof enclosure

SEQUENCERS WITH DIFFERENTIAL PRESSURE CONTROL

• Alphanumeric display 16 x 2 • Max 16 outputs for electrovalves •

NOT CLASSIFIED AREA



DC4xy7.4	€ 548,00
DC8xy7.4	€ 593,00
DC12xy7.4	€ 638,00
DC16xy7.4	€ 683,00

ATEX ZONE 22



Ex22DC4xy7.40	€ 575,00
Ex22DC8xy7.40	€ 623,00
Ex22DC12xy7.40	€ 669,00
Ex22DC16 xy7.40	€ 718,00

• Alphanumeric display 16 x 2 • Max 32 outputs for electrovalves •



DC24xy7.2	€ 824,00
DC32xy7.2	€ 930,00



Ex22DC24xy7.20	€ 865,00
Ex22DC32xy7.20	€ 976,00

• Alphanumeric display 16 x 2 • Max 48 outputs for electrovalves •



DC48xy9.25	€ 1.494,00
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Ex22DC48xy40.25	€ 1.568,00
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• Alphanumeric display 16 x 2 • Max 96 outputs for electrovalves •



DC72xy9.35	€ 1.695,00
DC96xy9.35	€ 1.801,00



Ex22DC72xy40.25	€ 1.780,00
Ex22DC96xy40.25	€ 1.892,00

• Alphanumeric display 16 x 2 • Max 120 outputs for electrovalves •



DC120xy9.55	€ 2.861,00
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OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

• Output 4 ÷ 20 mA dP signal	C11a	€ 74,00
• For connecting TC emission control probe	D11	€ 190,00
• TC50 probe with 4 ÷ 20 mA output signal	TC50	€ 1.135,00
• Ex22TC50 probe with 4 ÷ 20 mA output signal	TC50	€ 1.309,00
• For the RS485 serial line connection	D16	€ 466,00

• Display LED 5 digit • Max 96 outputs for electrovalves •



DB24xy9.25	€ 1.483,00
DB48xy9.25	€ 1.727,00



Ex22DB24xy40.25	€ 1.558,00
Ex22DB48xy40.25	€ 1.813,00
Ex22DB96xy40.25	€ 2.058,00



DB96xy9.35	€ 1.960,00
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OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

• Output 4 ÷ 20 mA dP signal	C11a	€ 74,00
• For connecting TC emission control probe	D11	€ 190,00
• TC50 probe with 4 ÷ 20 mA output signal	TC50	€ 1.135,00
• Ex22TC50 probe with 4 ÷ 20 mA output signal	TC50	€ 1.309,00

x = Supply voltage

y = Output voltage for solenoid valves

SEQUENCERS WITH DIFFERENTIAL PRESSURE CONTROL

- Alphanumeric display 16 x 2 - Max 48 outputs for electrovalves - ATEX ZONA 1,21 -



- Codice: Ex1dDC
- Sequencer in explosion-proof enclosure

CONTACT TECHNICAL OFFICE FOR FURTHER INFORMATION

- Alphanumeric display 16 x 2 - Max 120 outputs for electrovalves -



LDC4xy0	€	548,00
LDC8xy0	€	593,00
LDC12xy0	€	638,00
LDC16xy0	€	683,00
LDC24xy0	€	760,00
LDC32xy0	€	866,00
LDC48xy0	€	1.141,00
LDC72xy0	€	1.262,00
LDC96xy0	€	1.336,00
LDC120xy0	€	1.986,00

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- | | | | |
|--|------|---|-----------------|
| • Output 4 ÷ 20 mA dP signal | C11a | € | 74,00 |
| • For connecting TC emission control probe | D11 | € | 190,00 |
| • TC50 probe with 4 ÷ 20 mA output signal | TC50 | € | 1.135,00 |

- Alphanumeric display 16 x 2 - Max 12 outputs for electrovalves - Panel Fixing -



LC6xy3.1	€	505,00
LC12xy3.1	€	538,00

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- | | | | |
|-------------------------------------|------|---|--------------|
| • Output 4 ÷ 20 mA dP signal | C11a | € | 74,00 |
| • Transparent keyboard membranelP65 | LC2 | € | 55,00 |

- Display LED 3 digit - Max 16 outputs for electrovalves -

NOT CLASSIFIED AREA



BB4xy1.3	€	423,00
BB8xy1.3	€	439,00
BB12xy1.3	€	454,00
BB16xy1.3	€	502,00

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Ex22BB4xy1.30	€	444,00
Ex22BB8xy1.30	€	461,00
Ex22BB12xy1.30	€	478,00
Ex22BB16xy1.30	€	528,00

- Display LED 3 digit - Max 32 outputs for electrovalves -



BB24xy1.5	€	618,00
BB32xy1.5	€	731,00



Ex22BB24xy1.50	€	649,00
Ex22BB32xy1.50	€	767,00

- Display LED 3 digit - Max 48 outputs for electrovalves -



BB40xy7.5	€	1.033,00
BB48xy7.5	€	1.137,00



Ex22BB40xy7.50	€	1.084,00
Ex22BB48xy7.50	€	1.193,00

OPTIONS ON REQUEST

- | | | | |
|------------------------------|------|---|--------------|
| • Output 4 ÷ 20 mA dP signal | C11a | € | 74,00 |
|------------------------------|------|---|--------------|

The cost of optional options must be added to the list price of the sequencer

x = Supply voltage

y = Output voltage for solenoid valves

SEQUENCERS WITH DIFFERENTIAL PRESSURE CONTROL

• Display LED 5 digit • Max 96 outputs for electrovalves •



LDB24xy0	€	760,00
LDB48xy0	€	1.141,00
LDB96xy0	€	1.336,00

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- Output 4 ÷ 20 mA dP signal
C11a € **74,00**

• Display LED 3 digit • Max 20 outputs for electrovalves •



NOT CLASSIFIED AREA

BC8xy1.5	€	519,00
BC20xy1.5	€	656,00



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Ex22BC8xy1.50	€	544,00
Ex22BC20xy1.50	€	689,00

• Display LED 3 digit • Max 36 outputs for electrovalves •



BC28xy7.5	€	819,00
BC36xy7.5	€	1.059,00



Ex22BC28xy7.50	€	860,00
Ex22BC36xy7.50	€	1.112,00

OPTIONS ON REQUEST

- Output 4 ÷ 20 mA dP signal
C11a € **74,00**

The cost of optional options must be added to the list price of the sequencer

SEQUENCERS WITH DIFFERENTIAL PRESSURE CONTROL COMPLETE WITH ELECTROPILOTS

• Display LED 3 digit • Max 4/8 electropilots •



NOT CLASSIFIED AREA

EB4xU1.5+PL-T	€	651,00
EB8xU1.5+PL-T	€	950,00



ATEX ZONE 22

Ex22EB4xU1.50+PL-T	€	683,00
Ex22EB8xU1.50+PL-T	€	997,00

Display LED 3 digit • Max 12/16 electropilots •



EB12xU1.6+PL-T	€	1.372,00
EB16xU1.6+PL-T	€	1.668,00



Ex22EB12xU1.60+PL-T	€	1.441,00
Ex22EB16xU1.60+PL-T	€	1.751,00

OPTIONS ON REQUEST

- Output 4 ÷ 20 mA dP signal
C11a € **74,00**

The cost of optional options must be added to the list price of the sequencer

x = Supply voltage

y = Output voltage for solenoid valves

SEQUENCERS WITHOUT DIFFERENTIAL PRESSURE CONTROL

• **Alphanumeric display 16 x 2 • Max 16 outputs for electrovalves •**

NOT CLASSIFIED AREA



SC4xy7.4	€ 465,00
SC8xy7.4	€ 472,00
SC12xy7.4	€ 482,00
SC16xy7.4	€ 502,00

ATEX ZONE 22



Ex22SC4xy7.40	€ 470,00
Ex22SC8xy7.40	€ 480,00
Ex22SC12xy7.40	€ 494,00
Ex22SC16 xy7.40	€ 528,00

• **Alphanumeric display 16 x 2 • Max 32 outputs for electrovalves •**



SC24xy7.2	€ 741,00
SC32xy7.2	€ 778,00



Ex22SC24xy7.20	€ 825,00
Ex22SC32xy7.20	€ 865,00

• **Alphanumeric display 16 x 2 • Max 48 outputs for electrovalves •**



SC48xy9.25	€ 1.303,00
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Ex22SC48xy40.25	€ 1.368,00
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• **Alphanumeric display 16 x 2 • Max 96 outputs for electrovalves •**



SC72xy9.35	€ 1.626,00
SC96xy9.35	€ 1.684,00



Ex22SC72xy40.25	€ 1.708,00
Ex22SC96xy40.25	€ 1.802,00

• **Alphanumeric display 16 x 2 • Max 120 outputs for electrovalves •**



SC120xy9.55	€ 2.739,00
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OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- For connecting TC emission control probe D11 € 190,00
- TC50 probe with 4 ÷ 20 mA output signal TC50 € 1.135,00
- Sonda Ex22TC50 con segnale di uscita 4 ÷ 20 mA TC50 € 1.309,00

• **Display LED 5 digit • Max 96 outputs for electrovalves •**



SB24xy9.25	€ 1.494,00
SB48xy9.25	€ 1.674,00



Ex22SB24xy40.25	€ 1.568,00
Ex22SB48xy40.25	€ 1.759,00
Ex22SB96xy40.25	€ 1.897,00



SB96xy9.35	€ 1.806,00
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OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- For connecting TC emission control probe D11 € 190,00
- TC50 probe with 4 ÷ 20 mA output signal TC50 € 1.135,00
- Sonda Ex22TC50 con segnale di uscita 4 ÷ 20 mA TC50 € 1.309,00

x = Supply voltage

y = Output voltage for solenoid valves

SEQUENCERS WITHOUT DIFFERENTIAL PRESSURE CONTROL

- Alphanumeric display 16 x 2 • Max 48 outputs for electrovalves • ATEX ZONA 1,21 •



- Code: Ex1dSC
- Sequencer in explosion-proof enclosure

CONTACT TECHNICAL OFFICE FOR FURTHER INFORMATION

- Alphanumeric display 16 x 2 • Max 120 outputs for electrovalves •



LSC4xy0	€	465,00	LSC32xy0	€	714,00
LSC8xy0	€	472,00	LSC48xy0	€	970,00
LSC12xy0	€	482,00	LSC72xy0	€	1.203,00
LSC16xy0	€	503,00	LSC96xy0	€	1.256,00
LSC24xy0	€	677,00	LSC120xy0	€	1.880,00

- Alphanumeric display 16 x 2 • Max 12 outputs for electrovalves • Panel Fixing •



LG6xy3.1	€	423,00
LG12xy3.1	€	444,00

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- Transparent keyboard IP65 LC2 € **55,00**

- Display LED 3 digit • Max 8 outputs for electrovalves •

NOT CLASSIFIED AREA



PB4xy1.2	€	242,00
PB8xy1.2	€	246,00

ATEX ZONE 22



Ex22PB4xy1.20	€	254,00
Ex22PB8xy1.20	€	259,00

- Display LED 3 digit • Max 16 outputs for electrovalves •



PB12xy1.3	€	280,00
PB16xy1.3	€	313,00



Ex22PB12xy1.30	€	269,00
Ex22PB16xy1.30	€	328,00

- Display LED 3 digit • Max 32 outputs for electrovalves •



PB24xy1.5	€	391,00
PB32xy1.5	€	487,00



Ex22PB24xy1.50	€	411,00
Ex22PB32xy1.50	€	512,00

- Display LED 3 digit • Max 48 outputs for electrovalves •



PB40xy7.5	€	688,00
PB48xy7.5	€	784,00



Ex22PB40xy7.50	€	722,00
Ex22PB48xy7.50	€	822,00

x = Supply voltage

y = Output voltage for solenoid valves

SEQUENCERS WITHOUT DIFFERENTIAL PRESSURE CONTROL


- Display LED 3 digit • Max 20 outputs for electrovalves •

	<u>NOT CLASSIFIED AREA</u>		<u>ATEX ZONE 22</u>	
	PC8xy1.5	€ 455,00		Ex22PC8xy1.50 € 477,00
	PC20xy1.5	€ 492,00		Ex22PC20xy1.50 € 516,00


- Display LED 3 digit • Max 36 outputs for electrovalves •

	PC28xy7.5	€ 716,00		Ex22PC28xy7.50 € 750,00
	PC36xy7.5	€ 1.002,00		Ex22PC36xy7.50 € 1.051,00

- Visualization LED • Max 12 outputs for electrovalves •

	P12xy1.4	€ 431,00
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- Visualization LED • Max 24 outputs for electrovalves •

	P24xy1.5	€ 507,00
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SEQUENCERS WITHOUT DIFFERENTIAL PRESSURE CONTROL AND ELECTROPILOTS

- Display LED 3 digit • Max 4/8 electropilots •

	<u>NOT CLASSIFIED AREA</u>		<u>ATEX ZONE 22</u>	
	FB4xU1.5+PL-T	€ 581,00		Ex22FB4xU1.50+PL-T € 609,00
	FB8xU1.5+PL-T	€ 899,00		Ex22FB8xU1.50+PL-T € 944,00

- Display LED 3 digit • Max 12/16 electropilots •

	FB12xU1.6+PL-T	€ 1.314,00		Ex22FB12xU1.60+PL-T € 1.379,00
	FB16xU1.6+PL-T	€ 1.593,00		Ex22FB16xU1.60+PL-T € 1.673,00

x = Supply voltage

y = Output voltage for solenoid valves

BUS SYSTEM - SEQUENCERS WITH DIFFERENTIAL PRESSURE CONTROL

- Alphanumeric display 16 x 2 • Max 96 electrovalves for line •

NOT CLASSIFIED AREA



DSA1xU7.4 € 603,00

ATEX ZONE 22



Ex22DSA1xU7.40 € 635,00

- Alphanumeric display 16 x 2 • Max 96 electrovalves for line • Panel Fixing •



LM1xU3.2 € 413,00

- Display LED 3 digit • Max 96 electrovalves for line •

NOT CLASSIFIED AREA



BE1xU6.1 € 381,00

ATEX ZONE 22



Ex22BE1xU6.10 € 400,00

BUS SYSTEM - SEQUENCERS WITHOUT DIFFERENTIAL PRESSURE CONTROL

- Alphanumeric display 16 x 2 • Max 96 electrovalves for line •

NOT CLASSIFIED AREA



DSR1xU7.4 € 571,00

ATEX ZONE 22



Ex22DSR1xU7.40 € 593,00

- Display LED 3 digit • Max 96 electrovalves for line •

NOT CLASSIFIED AREA



PE1xU6.1 € 328,00

ATEX ZONE 22



Ex22PE1xU6.10 € 344,00

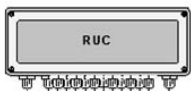

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

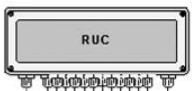
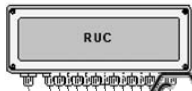
- | | | |
|---|----------|------------|
| • Output 4 ÷ 20 mA dP signal (Only DSA1,LM1,BE1) | C11a | € 74,00 |
| • For connecting TC emission control probe (Only DSA1) | D11 | € 190,00 |
| • TC50 probe with 4 ÷ 20 mA output signal (Only DSA1) | TC50 | € 1.135,00 |
| • Ex22TC50 probe with 4 ÷ 20 mA output signal (Only Ex22DSA1) | Ex22TC50 | € 1.309,00 |
| • For the RS485 serial line connection (Only DSA1) | D16 | € 466,00 |
| • Transparent keyboard membranelP65 (Only LM1) | LC2 | € 55,00 |

BUS SYSTEM - REMOTE UNITS

- Max 6 outputs for electrovalves ▪

	<u>NOT CLASSIFIED AREA</u>		<u>ATEX ZONE 22</u>	
	RUC6UU1.2	€ 201,00		Ex22RUC6UU1.20 € 222,00

- Max 12 outputs for electrovalves ▪

	RUC12UU1.3	€ 317,00		Ex22RUC12UU1.30 € 333,00
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BUS SYSTEM - REMOTE UNITS

- Max 4 / 6 / 12 electropilots ▪

	RUP4UU1.2	€ 601,00		Ex22RUP4UU1.20 € 631,00
	RUP6UU1.3	€ 823,00		Ex22RUP6UU1.30 € 865,00
	RUP12UU1.5	€ 1.531,00		Ex22RUP12UU1.50 € 1.605,00

DIFFERENTIAL PRESSURE CONTROL

	<ul style="list-style-type: none"> ▪ Wall mounted ▪ Output 4 ÷ 20 mA 			<ul style="list-style-type: none"> ▪ Wall mounted ▪ Output 4 ÷ 20 mA 	
DSPx.7.4	€ 571,00		Ex22DSPx.7.4	€ 600,00	

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- For the RS485 serial line connection D16 € 466,00

	<ul style="list-style-type: none"> ▪ Wall mounted ▪ Output 4 ÷ 20 mA 			<ul style="list-style-type: none"> ▪ Wall mounted ▪ Output 4 ÷ 20 mA 	
BPBx.6.1	€ 326,00		Ex22BPBx.6.10	€ 343,00	
	<ul style="list-style-type: none"> ▪ Panel Fixing ▪ Output 4 ÷ 20 mA 			<p>x = Supply voltage U = 24 VDC</p>	
LPCx.3.1	€ 444,00				

PRESSURE STABILIZER FOR INVERTER

NOT CLASSIFIED AREA

ATEX ZONE 22



▪ Wall mounted

DSFx.7.4

€ 582,00



▪ Wall mounted

Ex22DSFx.7.40

€ 612,00



▪ Panel fixing

LFCx3.1

€ 529,00

PRESSURE TRANSMITTER WITH OUTPUT 4 ÷ 20 mA



▪ Wall mounted

TP11

€ 434,00



▪ Wall mounted

Ex22TP11

€ 455,00

ABSOLUTE PRESSURE CONTROL



TP30

€ 344,00

DUST CONTROL PROBES

▪ Output 4 ÷ 20 mA



TC50-ddd

€ 1.135,00

▪ Output 4 ÷ 20 mA



Ex22TC50-ddd

€ 1.309,00

▪ Changeover relay output



TC50R-ddd

€ 1.135,00

▪ Changeover relay output



Ex22TC50R-ddd

€ 1.309,00

▪ With steel rope
▪ Output 4 ÷ 20 mA



TC50F-ff

€ 1.135,00

▪ With steel rope
▪ Output 4 ÷ 20 mA



Ex22TC50F-ff

€ 1.309,00

▪ Ceramic insulator KIT for Probe with rope TC50F / Ex22TC50F

TC42 € 424,00

ddd = Steel rod length

Lengths available in mm: 75, 100, 150, 200, 250, 300, 350, 400, 500, 650, 800, 1000, 1500

ff = Steel rope length (Available from 4 to 20 mt)

CONTROLLER FOR DUST EMISSIONS AND DIFFERENTIAL PRESSURE

NOT CLASSIFIED AREA

ATEX ZONE 22



- Dust control
- Wall mounted

DST1x.7.4 € 571,00



- Dust control
- Wall mounted



Ex22DST1x.7.40 € 600,00



- Dust control

LDST1x0 € 571,00



- Dust control and pressure
- Wall mounted

DST2x.7.4 € 593,00



- Dust control and pressure
- Wall mounted



Ex22DST2x.7.40 € 623,00



- Dust control and pressure

LDST2x0 € 593,00

OPTIONS ON REQUEST

The cost of optional options must be added to the list price of the sequencer

- | | | |
|---|----------|------------|
| • TC50 probe with 4 ÷ 20 mA output signal | TC50 | € 1.135,00 |
| • Probe Ex22TC50 with output 4 ÷ 20 mA | Ex22TC50 | € 1.309,00 |
| • For the RS485 serial line connection | D16 | € 466,00 |

x = Supply voltage

SOFTWARE

- **ESANET** Software for managing devices with RS 485 serial line

CONTACT THE TECHNICAL OFFICE ABOUT INFORMATION ON ESANET

FIELDBUS

- **Profinet**
- **Profibus**

CONTACT THE TECHNICAL OFFICE ABOUT INFORMATION Profinet E Profibus

FILTER SYSTEM WITH COMPARTMENTS

CONTACT THE TECHNICAL OFFICE ABOUT INFORMATION FILTER SYSTEM WITH COMPARTMENTS