

BlueSense, 2-channel transmitter

Order No

Basis configuration

485 0001-X-X-X-X

Inputs

2 x Digital In (static), potential free
2 x Puls in PNP / NPN (option: static)

Outputs

2 x analog outputs 0/4...20mA,
2 x Relays, potential free contacts, 230V AC, 2A
2 x Relays, potential free

Display: LCD-Touchpanel: 240 x 128 Pixel

display of measured values

bargraphs

function keys

setting up of alarm values

SD card slot for data recording

environmental conditions: -10°C... +45°C

housing: polycarbonat

235 mm x 185 mm x 119 mm

IP65

wall mounting or cap rail



Options

Chanel 1 Chanel 2 Interface powersupply

Chanel 1

Pos.	parameter	measuring range	
1	conductivity, inductive	0mS... 120mS	2 mS
2	conductivity, inductive	0µS...4000µS	2 µS
3	conductivity, conductive	0µS...120mS	2 CO
4	temperature, NTC	-10...+80°C	3
5	DO, galvanic cell	0...200%; 0...20 mg/l	4
6	DO: optical	0...25 ppm	4o
7	pH ISFET	pH1...pH14	5 IS
8	pH: glass-electrode	pH1...pH14	5
9	turbidity	0 - 2 FNU	6 2
10	turbidity	0 - 10 FNU	6 10
11	ORP	-2000...+2000 mV	9
12	4-20mA	4-20mA	B
13	2 x 4-20mA, galv. not isolated	4-20mA	B2

Chanel 2

Pos.	parameter	measuring range	
14	conductivity, inductive	0mS... 120mS	2 mS
15	conductivity, inductive	0µS...4000µS	2 µS
16	conductivity, conductive	0µS...120mS	2 CO
17	temperature, NTC	-10...+80°C	3
18	DO, galvanic cell	0...200%; 0...20 mg/l	4
19	DO: optical	0...25 ppm	4o
20	pH ISFET	pH1...pH14	5 IS
21	pH: glass-electrode	pH1...pH14	5
22	turbidity	0 - 2 FNU	6 2
23	turbidity	0 - 10 FNU	6 10
24	ORP	-2000...+2000 mV	9
25	4-20mA	4-20mA	B
26	2 X4-20mA, galv. not isolated	4-20mA	B2
27	not connected		-

interfaces

Pos.			
28	transmitter without serial interface		/
29	RS 485, Protokoll 9600 Baud, Modbus protocol		1
30	CAN Bus for connection with BlueBox System		2
30	Ethernet 10MBit/s		3

power supply

Pos.				
31	24V DC (18V - 36V); ca. 8W			1
32	230V AC (90V - 260V); ca. 8W			2
485 0001				

e.g. BlueSense with pH ISFET, DO galv. cell, RS485, 24VDC 485 0001 - 5 IS - 4 - 1 - 1

Probes are not included.

BlueSense, 2-channel transmitter

Order No

Basis configuration

485 0001-X-X-X-X

Inputs

2 x Digital In (static), potential free
2 x Puls in PNP / NPN (option: static)

Outputs

2 x analog outputs 0/4...20mA,
2 x Relays, potential free contacts, 230V AC, 2A
2 x Relays, potential free

Display: LCD-Touchpanel: 240 x 128 Pixel

display of measured values

bargraphs

function keys

setting up of alarm values

SD card slot for data recording

environmental conditions: -10°C... +45°C

housing: polycarbonat

235 mm x 185 mm x 119 mm

IP65

wall mounting or cap rail



Options

Chanel 1 Chanel 2 Interface powersupply

Chanel 1

Pos.	parameter	measuring range	
1	conductivity, inductive	0mS... 120mS	2 mS
2	conductivity, inductive	0µS...4000µS	2 µS
3	conductivity, conductive	0µS...120mS	2 CO
4	temperature, NTC	-10...+80°C	3
5	DO, galvanic cell	0...200%; 0...20 mg/l	4
6	DO: optical	0...25 ppm	4o
7	pH ISFET	pH1...pH14	5 IS
8	pH: glass-electrode	pH1...pH14	5
9	turbidity	0 - 2 FNU	6 2
10	turbidity	0 - 10 FNU	6 10
11	ORP	-2000...+2000 mV	9
12	4-20mA	4-20mA	B
13	2 x 4-20mA, galv. not isolated	4-20mA	B2

Chanel 2

Pos.	parameter	measuring range	
14	conductivity, inductive	0mS... 120mS	2 mS
15	conductivity, inductive	0µS...4000µS	2 µS
16	conductivity, conductive	0µS...120mS	2 CO
17	temperature, NTC	-10...+80°C	3
18	DO, galvanic cell	0...200%; 0...20 mg/l	4
19	DO: optical	0...25 ppm	4o
20	pH ISFET	pH1...pH14	5 IS
21	pH: glass-electrode	pH1...pH14	5
22	turbidity	0 - 2 FNU	6 2
23	turbidity	0 - 10 FNU	6 10
24	ORP	-2000...+2000 mV	9
25	4-20mA	4-20mA	B
26	2 X4-20mA, galv. not isolated	4-20mA	B2
27	not connected		-

interfaces

Pos.			
28	transmitter without serial interface		/
29	RS 485, Protokoll 9600 Baud, Modbus protocol		1
30	CAN Bus for connection with BlueBox System		2
30	Ethernet 10MBit/s		3

power supply

Pos.				
31	24V DC (18V - 36V); ca. 8W			1
32	230V AC (90V - 260V); ca. 8W			2
485 0001				

e.g. BlueSense with pH ISFET, DO galv. cell, RS485, 24VDC 485 0001 - 5 IS - 4 - 1 - 1

Probes are not included.