7. Technical data

Line voltage	230 V AC 115 V AC 24 V AC } -15% / +10%, 50/60 Hz
Power consumption	approx. 7 VA
Weight	approx. 1 kg
Permissible ambient temperature at	
- operation	0°C to 50ºC
- transport and storage	-25ºC to + 65ºC
Degree of protection	Front IP 65 according to DIN 40050
Design	For control panel installation 96 x 96 x 135 mm at 6490B, 6490B-y and 48 x 96 x 140 mm at 6590B (W x H x D)
Installation position	arbitrary
DI-feed voltage	24 V DC, Imax. = 20 mA
Analog inputs	Pt100, 2.4 = 0°C to 300°C or 2.2 = 0°C to 400°C Connection in three-wire system
Measuring accuracy	0.1% of the measuring range
Digital inputs	high active, low = n.c. / 0 V DC high = 15 V to 24 V DC
Displays	Two 4-digit 7 segment displays, LED red, character height (6490B, 6490B-y) = 13mm, character height (6590B) = 10mm
Alarm	Alarm types A, B, C (operation on the base of the idle current principle)
Relay	Switching capacity: 250 V AC / 3 A Spark quenching element
Serial interface	RS 485, modbus protocol in RTU-mode 1200 to 19200 baud 1 start bit, 8 data bits, 1 stop bit, no parity bit
Data protection	Semiconductor memory

8. Ordering number baelz 6490B / 6490B-y / baelz 6590B

```
Examples : 6490B    / 0 - 2.4 - 230 - 00.0
           6490B-y  / 1 - 2.2 - 115 - 00.0
           6590B    / 4 - 2.4 -  24 - 00.0
```

baelz µCelsitron ____ / ____ - ____ - ____

Type (see type-table)
6490B / 6490B-y / 6590B

Version (see type-table)
../0 **../1** **../3** **../4**
../4-i (only at 6590B)

Pt100-measuring range
0°C...300°C **2.4**
0°C...400°C **2.2**

Mains voltage
230 V AC **115** V AC **24** V AC

special model
none **00.0**
prospectively special models **SX.X**