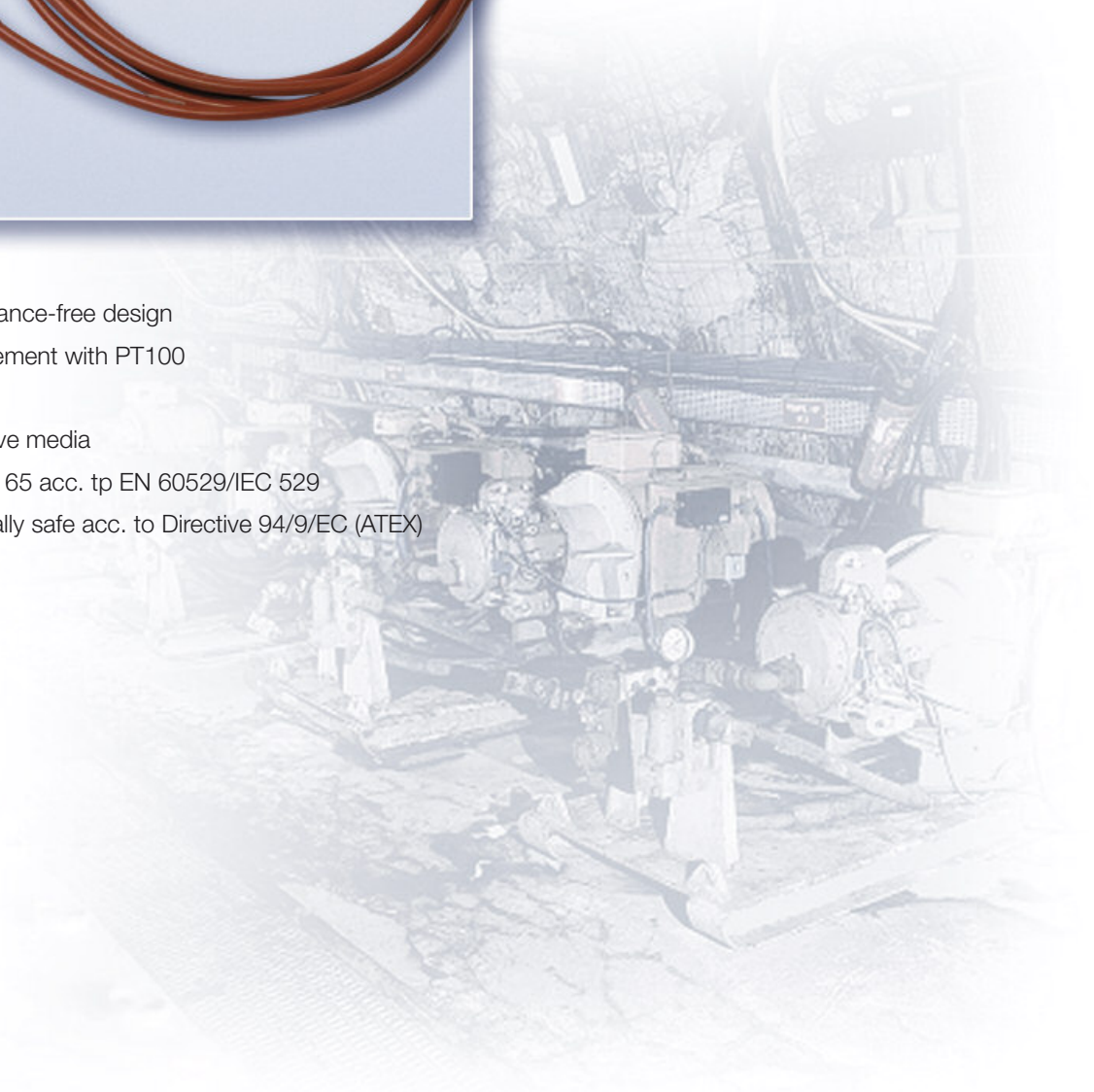




## Temperature controller **iTA106**

for monitoring temperatures  
in housing segments  
that are not easily accessible

- Rugged and maintenance-free design
- Temperature measurement with PT100
- Connection via cable
- Resistant to aggressive media
- Type of protection: IP 65 acc. to EN 60529/IEC 529
- I M2 EEx ia I intrinsically safe acc. to Directive 94/9/EC (ATEX)





## iTA106

### FUNCTION AND DESIGN

The temperature controller is designed for monitoring temperatures in housings or fluid media. A PT100 element is installed in the probe tube as monitoring element. The monitoring element is embedded in cast resin in the lower part of the probe tube. This arrangement ensures adequate safety with respect to explosion protection and mechanical damage.

#### Application

- As the temperature controller is very thin and flexible it lends itself particularly well for being installed in housing segments that are not easily accessible.

The temperature controller is available with a connection cable of 2m length as standard.

If you need different lengths, please send us an inquiry.

### TECHNICAL DATA

Temperature measurement	Continuously via PT100 element
Temperature range	0°C to 200°C
Connection	Cable (3 conductors)
Voltage	max. 13.5 VDC
Switching current	15 mA
Probe tube length	36 mm
Probe tube diameter	5 mm
Connection cable length	2 m
Type of protection	IP65 acc. to EN 60529/IEC 529
EX-approval	I M2 EEx ia I acc. to Directive 94/9/EC
Certificate No.	BVS 03 ATEX E404

### TYPE CODE AND ORDERING DETAILS

**iTA106/PT100 L = \*\*\*** Connecting cable length in meters

### TYPICAL APPLICATION

**iTA106/PT100L = 002** Connecting cable length = 2 meters

Subject to technical alterations · Version 08/12