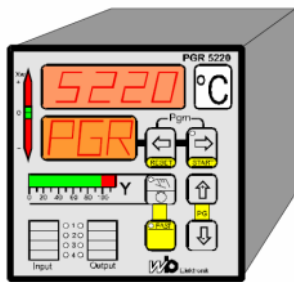


PGR 5220 A

All-purpose program controller



Features:

- All-purpose input for PT 100, thermocouple, mA, V
- Integrated software for input configuration
- PID control with auto-tuning function
- 10 different curves (setpoint programs) with 10 nodes each
- Integrated software for output configuration. For steady, two-point, three-point or three-point step action

PGR 5220 A

Technical Data

Display:

4-digit display of measurand
3-digit function display with 14 segments
Bargraph display for control variable Y with 12 segments

Pushbuttons:

To configure parameters and setpoint values
Selector button for function display
Selector switch manual to automatic with status indicator
Program function with FAST-display

Controller function:

Configurable inputs for signal, Control and display
PID control with auto-tuning
10 programs, each with 10 setpoints, time-dependent
Repeat cycle function
Software for configuring outputs: steady, two-point, three-point or three-point increments or limit contacts

Inputs

3 analogue inputs for X1, W_{ext} and Z
4 binary inputs for logical interconnection

Outputs:

2 analogue outputs for X and Y
3 binary relay outputs for control point or limit value
1 time-dependent programmable control output
1 binary output 24 V for limit values

Thermocouples:

NiCr-Ni 0...1300°C Type K
PtRh-Pt 0...1700 °C Type S
FeCu-Ni 0...900 °C Type L
CuCu-Ni 0...600°C Type U
FeCuNi 0...900 °C Type J
Cu-CuNi 0...400°C Type T
NiCr-CuNi 0...1000 °C Type E
Pt13Rh-Pt 0...1700°C Type R
Pt30Rh-Pt6Rh 500...1700 °C Type B

Resistance thermometer

PT100:

Measuring range
-200.0 to +600.0 °C

Input:

0(4) - 20mA
0 - 10V or 2 - 10V

Power supply:

230 V 48 - 62 Hz
115 V 48 - 62 HZ
24 V DC/AC

Enclosure:

Panel mount design
96 x 96 mm
Panel depth 181 mm