

## DAG-T4



- Universal panel meter in 96 x 48 mm format
- Extremely short mounting depth of 32 mm
- Universal input for process signals, thermocouples, Pt100
- 16 mm high red LED display
- 2 alarm outputs as relay
- Programming via buttons



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## Description

The DAG-T4 is a quite versatile process indicator with totalizing function. With a wide list of input types - thermocouples, thermoresistance, voltage and current the DAG-T4 is capable of measuring the majority of the variables and sensors encountered in industrial processes.

It contains two alarms (six functions), sensor offset, configuration of parameters protected by password, indication in degrees Celsius (°C) or Fahrenheit (°F), among others.

## Technical Data

|                             |                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------|
| Display:                    | LED-display, 5-digits, red with 16 mm high digits                                            |
| Display range input signal: | -1 999 ... 30 000                                                                            |
| Display range totalizer:    | 0 ... 9 999 999 999 (alternating display)                                                    |
| Indicators:                 | Ten red indicators for alarm status, communication, totalizer function, min.- and max. value |
| °C, °F                      | ON, depending on temperature range                                                           |
| A1, A2                      | ON, when alarm is active                                                                     |
| TOT                         | ON, when displaying totalizer value                                                          |
| HIGH                        | ON, when digit 6 to 10 is displayed                                                          |
| LOW                         | ON, when digit 1 to 5 is displayed                                                           |
| Buttons:                    | 4 front keys for programming and setting up the setpoints                                    |
| Input range:                | Setup of input signal via buttons                                                            |
| Thermocouples:              | Type J, K, T, N, R, S, B, E; internal cold junction                                          |
| RTD:                        | Pt100 in 3-wire connection (alpha = 0.00385)                                                 |
| Linear inputs:              | 0 V ... 5/10 V, 0/4 mA ... 20 mA, 0 mV ... 50 mV                                             |

| Sensor type | Measurement range                     |
|-------------|---------------------------------------|
| TC type J   | -110°C ... 950°C (-166°F ... 1742°F)  |
| TC type K   | -150°C ... 1370°C (-238°F ... 2498°F) |
| TC type T   | -160°C ... 400°C (-256°F ... 752°F)   |
| TC type N   | -270°C ... 1300°C (-454°F ... 2372°F) |
| TC type R   | -50°C ... 1760°C (-58°F ... 3200°F)   |
| TC type S   | -50°C ... 1760°C (-58°F ... 3200°F)   |
| TC type B   | 400°C ... 1800°C (752°F ... 3272°F)   |
| TC type E   | -90°C ... 730°C (-130°F ... 1346°F)   |
| RTD         | -200°C ... 850°C (-328°F ... 1562°F)  |

## Accuracy:

|                                |                        |
|--------------------------------|------------------------|
| Thermocouples type J, K, T, E: | 0.25% of span +/- 1 °C |
| Thermocouples type N, R, S, B: | 0.25% of span +/- 3 °C |
| Pt100:                         | 0.2% of span           |
| Linear analogue input:         | 0.2% of span           |

Resolution: Internal resolution with 65 535 steps (16 bits), display resolution 32 000 steps

Measurement rate: 55 Hz with programmable digital filter

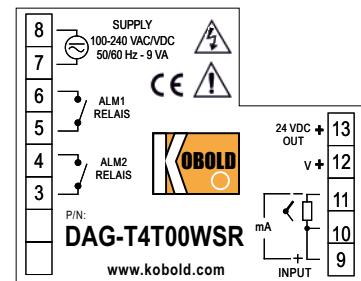
Input impedance: Thermocouples, Pt100, 0 ... 50 mV: >10 MΩ; 0 ... 5/10 V: >500 kΩ; 0/4 ... 20 mA: 100 Ω

Excitation: 24 V<sub>DC</sub> +/- 15% @ 50 mA

Relay outputs: 2 relay SPST, 1.5 A at 240 V<sub>AC</sub> / 30 V<sub>DC</sub>

Supply: 100 ... 240 V<sub>AC</sub> +/- 10%, 50/60 Hz, 6 VA

## Connections:



Protection: IP65 from the front (with rubber sealing), back side IP20

Housing: Plastic case Polycarbonat (PC) L94-V2, back panel ABS + PC UI94 V-0

Dimensions: W 96 mm x H 48 mm x D 35 mm; panel cut out: 93.0 x 45.5 mm; mounting with plastic clamps

Connection: Plug-in terminal blocks, 5 mm pitch

Ambient conditions: Operating temperature: 0°C ... +50°C; relative humidity 80% rF @ 30°C, for temperature above 30°C, reduction by 3% rF for °C

## Order Details (Example: DAG-T4 T 0 0 W S R)

| Model | Version                                | Input                              | Supply                          | Output      | Sensor supply/digital input            | Relay       | Display |
|-------|----------------------------------------|------------------------------------|---------------------------------|-------------|----------------------------------------|-------------|---------|
| DAG-  | T4 = digital display 5-digit, 96x48 mm | T = Pt100/thermocouples adjustable | 0 = 100 ... 230 V <sub>AC</sub> | 0 = without | W = with excitation 24 V <sub>DC</sub> | S = 2 relay | R = red |