# Universal Panel Meter

**KOBOLD**

measuring
•
monitoring
•
analyzing

## DAG-T4



- Universal Panel Meter in 96 x 48 mm Format
- 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 or Software

01/12-2014

### Description

The KOBOLD DAG-T4 is a versatile process indicator with a totalizing function. It can measure the majority of variables encountered in most industrial processes. It can accept many input types, including: thermocouples, thermo resistance, voltage, and current. It also offers two alarms (six functions), sensor offset, configuration of parameters protected by password, USB communication, and temperature indication in either °C or °F.
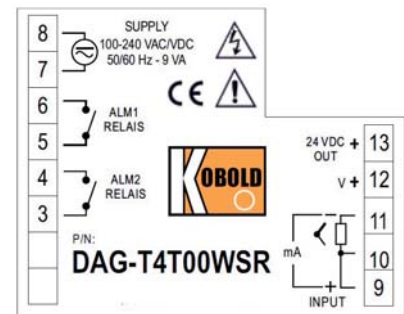
### Specifications

| | |
|---|---|
| **Display:** | Red LED, 5-Digit, 16 mm Digits |
| **Range Input:** | -1999...30000 |
| **Range Totalizer:** | 0...9999999999 (Alternating Display) |
| **Indicators:** | Ten Red Indicators for Alarm Status, Communication, Totalizer Function, Min/Max Value |
| **°C, °F:** | On, Depending on Temp. 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 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 |
| **Accuracy** | |
| **Type J, K, T, E:** | 0.25% of Span, ±1 °C |
| **Type N, R, S, B:** | 0.25% of Span, ±3 °C |
| **Pt100:** | 0.2% of Span |
| **Linear Analog Input:** | 0.2% of Span |
| **Resolution:** | Internal Resolution with 65535 Steps (16 bits), Display Resolution 32000 Steps |
| **Measurement Rate:** | 55 Hz with Programmable Digital Filter |
| **Input Impedance:** | Thermocouples, Pt100, 0...50 mV: >10 MΩ |

| | |
|---|---|
| **Excitation:** | 24 VDC ± 15% @ 50 mA |
| **Relay Outputs:** | 2 SPST Relays, 1.5 A @ 240 VAC/30 VDC |
| **Supply:** | 100...240 VAC ± 10%, 50/60 Hz, 6 VA |
| **Protection:** | IP 65 from the Front with Rubber Seal, IP 20 from the Back |
| **Housing:** | Polycarbonate Plastic Case L94-V2, ABS & PC UI94 V-0 Back Panel |
| **Dimensions:** | 96 mm W x 48 mm H x 35 mm D Panel Cut-out: 93.0 x 45.5 mm |
| **Mounting:** | Plastic Clamps |
| **Connection:** | Plug-in Terminal Blocks, 5 mm Pitch |
| **Ambient Conditions:** | Operating Temperature: 0...50 °C; Relative Humidity: 80% RH @ 30 °C, for Temperatures above 30 °C, reduce RH by 3% for each °C |

### Connection Diagram



### Order Details

| Model |
|---|
| DAG-T4T00WSR |

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

No responsibility taken for errors; subject to change without prior notice.