Universal Panel Meter

DAG-T4

- Universal panel meter in 96 x 48 mm format
- Extremly 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

KOBOLD companies worldwide:
ARGENTINA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECHIA, DOMINICAN REPUBLIC, EGYPT, FRANCE, GERMANY, GREAT BRITAIN, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, ROMANIA, SINGAPORE, SOUTH KOREA, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, USA, VIETNAM

KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
Head Office:
+49(0)6192 299-0
+49(0)6192 23398
info.de@kobold.com
www.kobold.com

1/03-2014

Description

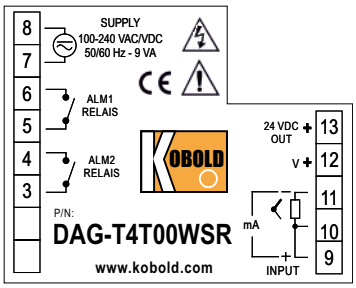
The DAG-T4 is a quite versatile process indicator with totalizing function. With a wide list of input types - thermocouples, thermoresistance, voltage and current the DAG-T4 is capable of measuring the majority of the variables and sensors encountered in industrial processes.
It contains two alarms (six 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_{DC} +/-15% @ 50 mA
Relay outputs:	2 relay SPST, 1.5 A at 240 V_{AC} / 30 V_{DC}
Supply:	100 ... 240 V_{AC} +/-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	Dis-play
DAG-	**T4** = digital display 5-digit, 96×48 mm	**T** = Pt100/thermo-couples adjustable	**0** = 100 ... 230 V_{AC}	**0** = without	**W** = with excitation 24 V_{DC}	**S** = 2 relay	**R** = red

1/03-2014