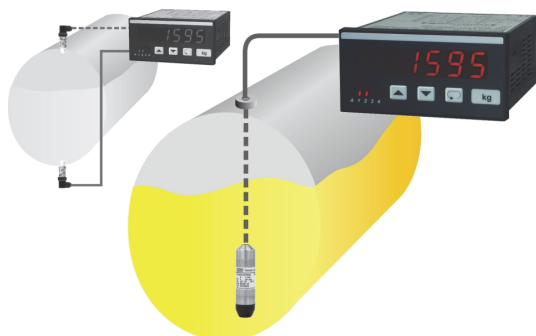


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Product information

Tank Display TA9648



- Inputs for standard signals 0/4..20 mA or 0/2..10 V
- 2nd input for pressure transmitter at pressure loaded tanks
- Input automatic level correction
- 6 standard- and custom sized tanks selectable
- Max. 4 alarm outputs, relay SPDT or transistor

Characteristics

The Tank Display TA9648 offers content measurement of tanks with no linear connection between level and content. Measurement will be realized by hydrostatic pressure or distance sensors. The device offers the possibility to connect a level sensor. Reaching a certain level, the displayed value will be corrected automatically to the value according to the position of the installed sensor.

Technical data

Power supply

Supply voltage : 230 V AC $\pm 10\%$; 115 V AC $\pm 10\%$,
24 V AC $\pm 10\%$ or 24 V DC $\pm 15\%$
Power consumption : max. 3.5 VA, with analog output 5 VA
Operating temp. : -10..+55 °C
CE-conformity : EN 61326-1:2013; EN 60664-1:2007

Input

Current : 0/4..20 mA; $R_i = 10\ \Omega$
overload 2-times; 4-times for max. 5 s
Voltage : 0/2..10 V DC; $R_i = 100\ k\Omega$
overload max. 100 V

Accuracy : $< 0.1\% \pm 2$ Digit
Transmitter supply : U_0 appr. 24 V; R_i appr. 150 Ω ; max. 50 mA
(max. 25 mA, with 4 relays)

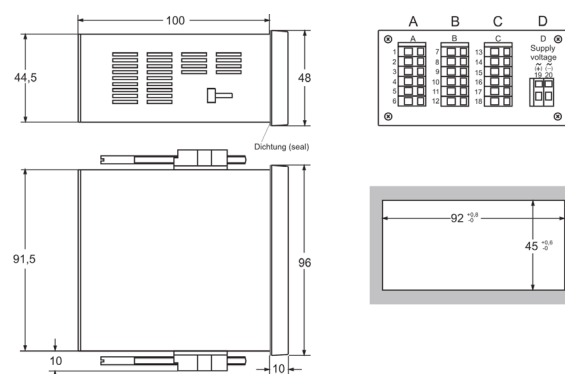
Display

: LED red, 14.2 mm
Indicating range : 999999 Digit with leading zero suppression
Parameter display : LED 2 digit red, 7 mm
(parameter - and output indicating)

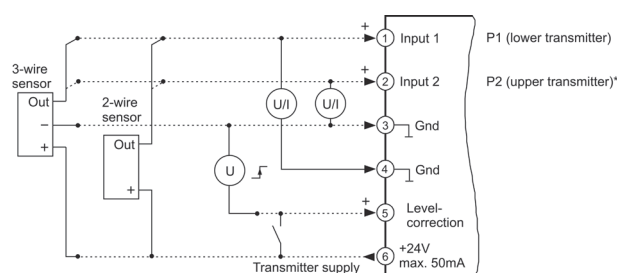
Output

Relay : SPDT $< 250\ V\ AC < 250\ VA < 2\ A$,
 $< 300\ V\ DC < 50\ W < 2\ A$
Transistor : max. 35 V AC/DC max. 100 mA,
with short circuit protection
Analog : 0/4..20 mA burden $\leq 500\ \Omega$; 0/2..10 V
burden $> 500\ \Omega$, isolated
automatic output changing
- Accuracy : 0.1 %; TK 0.01 %/K
Case : panel case DIN 96x48mm,
material PA6-GF; UL94V-0
Dimensions : front 96x48 mm, mounting depth 100 mm
Weight : max. 390 g
Connection : clamp terminals, 0.08..1.5 mm²
AWG28..AWG14
Protection class : front IP65, terminals IP20 acc. to BGV A3

Dimensions



Connection diagram



* only with pressure loaded tanks

Ordering code

TA9648 - 1. - 2. - 3. - 4. - 5. - 6. - 7.

1. Terminal strip A	
1	2 inputs 0/4..20 mA, 1 input for level correction, Integrated, transmitter supply 24V max. 50 mA
2	as 1, but inputs 0/2..10 V
2. Terminal strip B	
00	not installed
2R	2 relay outputs
2T	2 electronic outputs
3. Terminal strip C	
00	not installed
2R	2 relay outputs
2T	2 electronic outputs
AO	analog output 0/4..20 mA, 0/2..10 V
4. Terminal strip D; supply voltage	
0	230 V AC $\pm 10\%$ 50-60Hz
1	115 V AC $\pm 10\%$ 50-60Hz
4	24 V AC $\pm 10\%$ 50-60Hz
5	24 V DC $\pm 15\%$
5. Options	
00	without option
6. Unit (appears in the unit field)	
7. Additional text placed above the display (3x90 mm HxW)	