

По вопросам продаж и поддержки обращайтесь:

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Единый адрес: beh@nt-rt.ru **Веб-сайт:** www.bhr.nt-rt.ru

Индикаторы DTX-P Buhler

Display and control unit DTX-P



The Bühler control and display unit DTX-P features a rugged plastic housing and a protection class of IP 65 on the panel side making it an excellent solution for industrial applications.

The 4-20 mA analogue input combines it with our level- and temperature controls like Nivotemp, Nivovent and Thermolog as well as with our Fluidcontrol terminals.

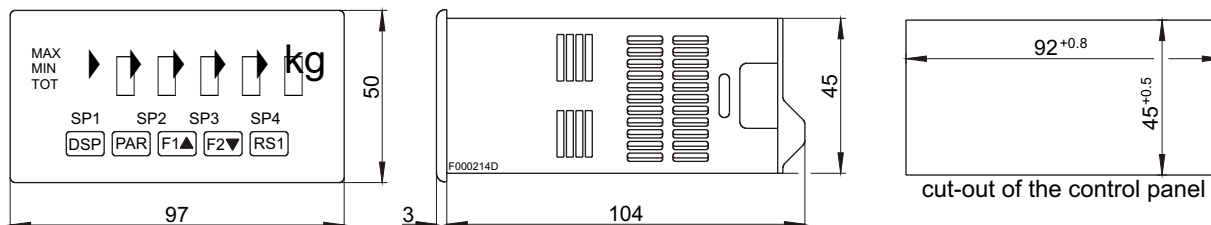
The unit can be adapted to the individual application by inserting special pc boards. These pc boards can be exchanged any time later on if required.

Standard variations for the DTX-P are:
Analogue output 4-20 mA, two change over relays, four NO relays and either four NPN or PNP outputs. An interface PC board for remote programming is also available.

- 5-digit, 14mm LED display back ground illuminated
- Input signals 0-20 mA, 4-20 mA or 0-10v DC optional
- Optional pc boards. Up to four switch points, 0/4-20 mA or 0-10 V analogue outputs, RS 232 interface
- Easy to programme either on site or remotely
- Signal linearisation programmable in 16 steps
- Display front IP 65

technical data

dimensions



housing: dark red, shock-proof plastic housing. Fixing by mounting frame with terminal screw.

display: five-digit display with 14 mm high red LED

signal: The following standard signals are possible. The range will be adjusted in the programming. The accuracy in the following range table is stated in percent of indication value. The protection complies with the maximum permissible input signal.

range	accuracy	Impedance/	protection load	resolution
20 mA	0,03%-0,12%	20 Ω	150 mA	1 μ A
10 VDC	0,03%-0,12%	500 k Ω	300 V	1 mV

user-inputs: 3 programmable inputs are available. They are adjustable by bridges PNP- or NPN-switching. Protection max. 30 V.
NPN: active V < 0,7 VDC; inactive V > 2,5 VDC
PNP: active V < 2,5 VDC; inactive V > 0,7 VDC

power supply: DTX-P-230 : 85 to 250 VAC 50/60 Hz, 15 VA
DTX-P-24 : 11 to 36 VDC, 11 W or 24 VAC \pm 10%, 15 VA

sensor supply: 24 VDC, \pm 5%, regulated, max. 50 mA

connection: stronghold terminal strip

relative humidity: max. 85%. rF, not condensable

ambient operation: 0...+50°C; with 3 cards

temperature: unequipped: 0...45°C; storage: -40...+60°C

weight: 300 g (without plug-in cards)

Specification plug-in cards

analogue output card: **output** : 0-20 mA or 4-20 mA or 0-10 VDC

DTX-K-AO **accuracy** : 0,17 % to 0,4%

load : 0-10 VDC: min 10 k Ω , 0/4-20 mA: max. 500 Ω

relay output card: **type** : 2 relays with change over contact

2x change over **contact load** : 5 A, 120/240 VAC or 28 VDC. total current at 2 active relays \leq 5 A

DTX-K-2W **lifespan** : minimum 100000 switch cycle at max. load

relay output card: **type** : 4 relays with NO (normally open) contact

4x NO (normally open) **contact load** : 3 A, 120/240 VAC or 28 VDC. total current at 2 active relays \leq 4 A

DTX-K-4S **lifespan** : minimum 100000 switch cycle at max. load

transistor output card: **type** : 4 NPN-open-collector transistors

DTX-K-4N **nominal data** : max. 100 mA at V_{SAT} = max. 0,7 V. V_{max} = 30 V

transistor output card: **type** : 4 PNP-open-collector transistors

DTX-K-4P **nominal data** : Intra supply voltage: 24 VDC \pm 10 %, total load for all 4 outputs: max. 30 mA. external supply: max. 30 VDC, load output: max. 100 mA.

order information

description

Digital indicator (flush-type); 85 to 250 VAC 50/60 Hz

Digital indicator (flush-type); 11 to 36 VDC, 11 W or 24 VAC 50/60 Hz

type

DTX-P-230

DTX-P-24

part-no.

1450099

1450199

accessories

plug-in interface card RS 232

plug-in analogue output card

plug-in relay output card 2x change over

plug-in relay output card 4x NO (normally open)

plug-in transistor output card 4xNPN open-collector transistors

plug-in transistor output card 4xPNP open-collector transistors

programmable software for windows

DTX-K-SER

DTX-K-AO

DTX-K-2W

DTX-K-4S

DTX-K-4N

DTX-K-4P

DTX-S-PC

14500991

14500992

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