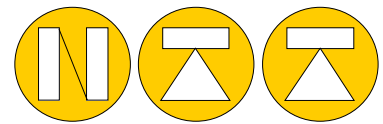




# μdigit MD1000



NORDIC TRANSDUCER

## Advanced Multi Input Instrument

**mA mV °C t/c °F All in one**  
**Ω RTD Pt100**



### Model MD1000 Multi Input

- ° Voltage: From +/-19.999mV to -19.999 / +20.999 Volt
- ° Current: From +/-1.0000 mA To -19.999 / +20.999 mA
- ° 24VDC transducer supply @ 35 mA max.
- ° Temperature inputs types:
  - ° T/C J,K,T,N,R & S
  - ° Pt 100, -200 to + 850°C
  - ° DIN 43760 RTD -60 to +130°C
- ° Resolution: Internal 200.000,
- ° Display max. 20.999
- ° Gross/Net indication
- ° Automatic calibration with fine-adjustment later
- ° All inputs direct selectable via standard software program
- ° 2 / 3 or 4 wires connections as standard

### Menu parameters:

- ° Automatic / manual calibration
- ° Decimal point
- ° Last digit 0,1,2,5 or 10
- ° Under/over range alarm blinking
- ° Conversion time from 100 msec. up to 20 sec.
- ° Average in time or numbers
- ° 17 linear scale points
- ° 9 different functions on F1 & F2
- ° 3 External inputs each with many programmable functions.
- ° 4 OC transistor outputs with 22 different programmable functions
- ° 2 PEAK values
- ° Second scale indication as for conversion from kg to lb, N, PSI
- ° Digital setup of analogue output 0-10V or 0/4-20mA
- ° Setup of serial output RS232/485
- ° Password function/lock
- ° Via RS232 can all setup be done from PC COM port

### Power supply:

Universal power supply  
AC 100 - 264V, 47-70Hz, 4VA  
DC 10 - 40V < 300mA 10V

### Temperature range:

-10°C to +60°C

### Description:

**MD1000** is one of the most flexible and advanced Panel instruments on the market today. It can "run" on DC or AC at a big range, it can be used as a simple indication instrument or as an advanced PC controlled unit for data collection in a network. There are only 4 options which are RS232, RS485, 0..10V or 4..20mA outputs, all other functions are included in the standard instrument.

The speed of MD1000 are also much quicker than seen before, it's down on 100 msec. conversion time

### 4 control Output:

Standard open collectors  
48DCV 0.5A max..  
(MD1000R with 2 relays)

### Display:

14,2mm Red LED

### OPTIONS:

#### RS232 serial

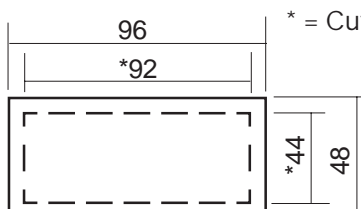
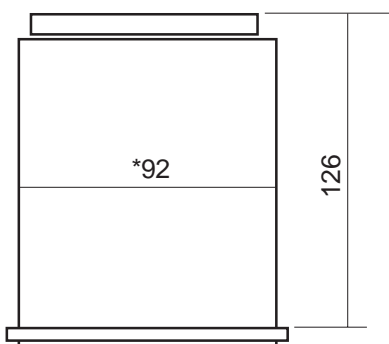
Multidrop, V24 compatible  
Baud rate: from 300 to 9600  
Addresses to 99 units  
or direct out to a printer, or on a print command. ( se next page )

#### RS485 serial

2 Wire bus with 120 Ohm termin.  
Baud rate: from 300 to 9600  
Addresses to 31 units  
Isolation: 200Vrms  
Rx/Tx controllable on instrument  
Point to point distance 1.200 m.

#### Analogue output

0-20, 4-20mA +/-0.5%  
0 - 550 ohm Load  
Isolation 500Vrms  
or 0-5 / 0-10V output  
Impedance 10 ohm  
Accuracy: +/-0,05%



\* = Cut-out in mm

## Nordic -Transducer

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