Counters
Multifunction Display
Types DMF1461

DMF1461

- **Programmable function:**
  - **Pulse counter**
  - **Position display**
  - **Frequency/speed**
  - **Timer/time meter**
- **AC/DC supply**
- **High rate accuracy system**
- **DIN 48x96**
- **IP65 front protection**

Product Description

This multifunction display can be used for a multitude of applications. Can be used for piece counting, measuring and recording speed for positioning, time measuring. All values are scalable.

Ordering Key

DMF1461 A12 3 00

Type
Output
Supply voltage code
Input type

Stock items: **DMF1461A12000**
DMF1461A12300

Approvals

Output Type

A11	Optocoupler output
A12	No output

Input Type

00	Standard (also fixed voltage input available upon request)

General Data

Display	6 digits LED type
Dimensions of digits	H 14mm/0.55”
Viewing angle	Frontal
Colour of digit figures	Red
Current consumption	<50mA, 6VA
Data Back-up	E^2PROM
Operating temperature	-20…+65°C/4…149°F
Storage temperature	-25...+70°C/-13...158°F
Mounting position	Panel mounting
Housing colour	RAL 7021 (grey)
Dimensions	48x96 acc. to DIN 43700 STD
Weight	150g/5.29oz
Panel cut-out HxL	48x92mm / 1.89”x 3.62”
Protection degree	IP65 (front)
EMC	acc. to directive 89/36/ENG
emitted:	EN61000-6-4 EN550011 class B
immunity:	EN61000-6-2

Supply Voltage

0	90...260VAC
3	10...30VDC (with reverse polarity protection)

Measuring Specifications

Time range	0.001s...999 999h
Counting Frequency	60kHz
Counting system	Programmable
Reset time	<5ms
Accuracy	
Tachometer:	<0.1%
Timer:	<50ppm

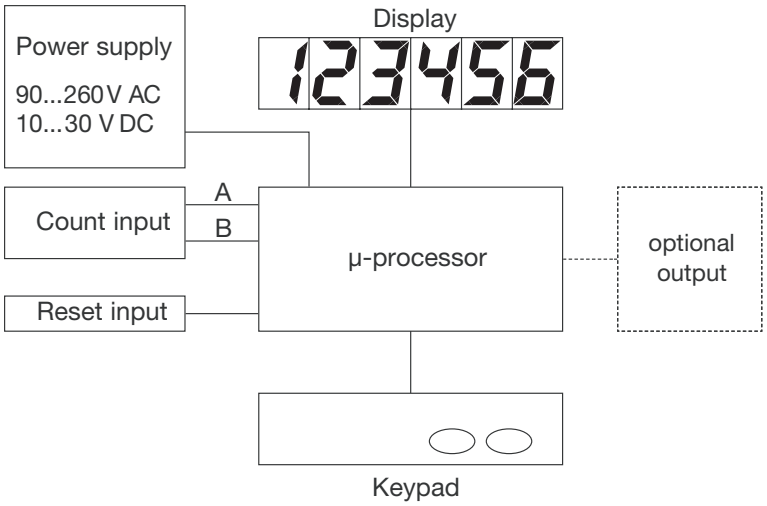
Input Specifications

Polarity	PNP or NPN programmable
Resistance	~ 5kΩ
Switching level	
STD DC input version	Low: 0÷0.2 x U_B High: 0.6 x U_B
AC version	Low: 0÷4VDC High: 12...30VDC

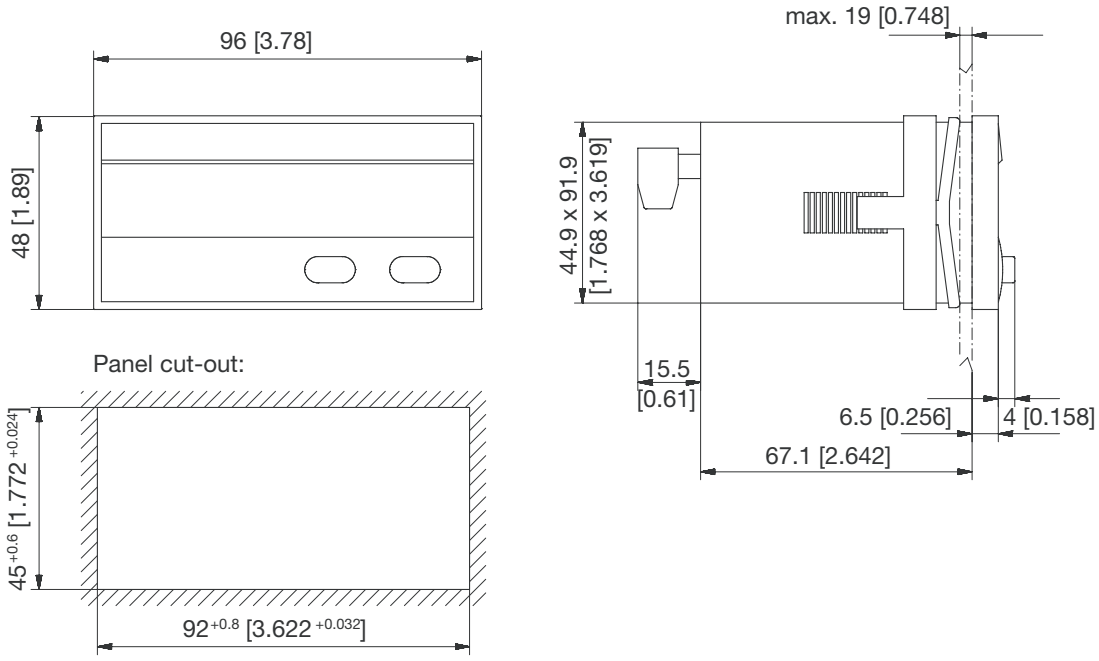
Package Content

1	Instrument DMF1461
1	Panel mounting clip
1	Screw terminal block 2 pins RM 5.08
1	Screw terminal block 7 pins RM 3.81
1	Gasket
1	Multilingual operating manual

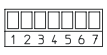
Block Diagram



Dimensions (mm/inches)



Connections



X1

X2

Connector X1:

Pin	AC- version	DC- version
1	Optocoupler-output Emitter	
2	Optocoupler-output Collector	
3	Set	
4	INP B	
5	INP A	
6	GNDout	n.c.
7	+24 Vout	n.c.

Connector X2:

Pin	AC- version	DC- version
1	90...260VAC	0VDC (GND)
2	90...260VAC	10...30VDC

Specifications are subject to change without notice. Pictures are just an example. For special features and/or customization, please ask to our sales network. 260509