

- 4种计数模式:
- 方向计数
  - 差分计数
  - 2输入求和计数
  - x1, x2 及 x4相鉴别器 (求积)



## 功能强大

- 高速计数输入  
最大输入频率60 kHz
- 结实的外壳  
IP 65防护等级
- LED显示  
光亮显示, 8 mm 高
- 位置、差分、累加或计数方向检测  
可编程正逻辑 (PNP) 或负逻辑 (NPN) 开关输入脉冲,  
机械触点的高速计数输入最大输入频率为60 kHz, 频率可抑制到30 Hz
- 快速起动  
可在触发开关触发16ms后检测到输入脉冲—故而同步电机起动时不会丢失脉冲



## 用户化

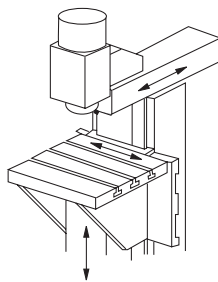
- 大按键  
也可使用手套操作
  - 编程简便  
简单的菜单驱动编程和操作
- 操作时可键入编程模式  
可证实疑问

## 通用性

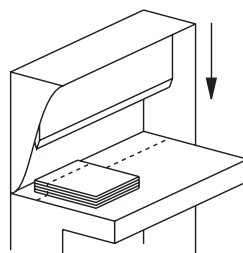
- 单独可编程比例因子  
乘法和除数因子 (0.0001到 99.9999),  
显示相应的工程单位,  
例如, 长度 1/10mm  
和速度 RPM
- 4种不同的输入模式  
2-通道输入的计数方向检测模式,  
差分模式, 累加模式和  
x1, x2或 x4的求积模式
- 可编程输入点
- 直流供电
- 输入  
可选择的HTL输入或5 VDC 有效  
输入触发电平设备  
可用于与PLC并联显示
- 可选输出  
如零信号

## 位置数显表及累加器的应用:

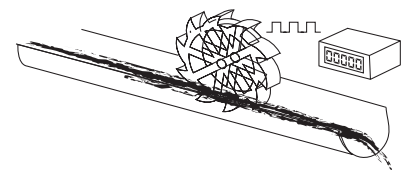
- 用于加工设备的定位操作。  
例如锯床, 铣床, 折弯机等
- 通过件件计数(差分或累加模式)获得生产数据
- 流速、数量和其他可测量参数的累加
- 数量和张数等计数操作
- 实际应用如模切机, 印刷, 挤压机, 木工机械, 钻机, 挖取机器, 闸刀, 特种机器等
- 作为成品机器的配件OEM设备的附件



加工机械的位置检测



位置或数量



流速

# 电子式数显计数器

## 位置指示器或累加器CODIX521

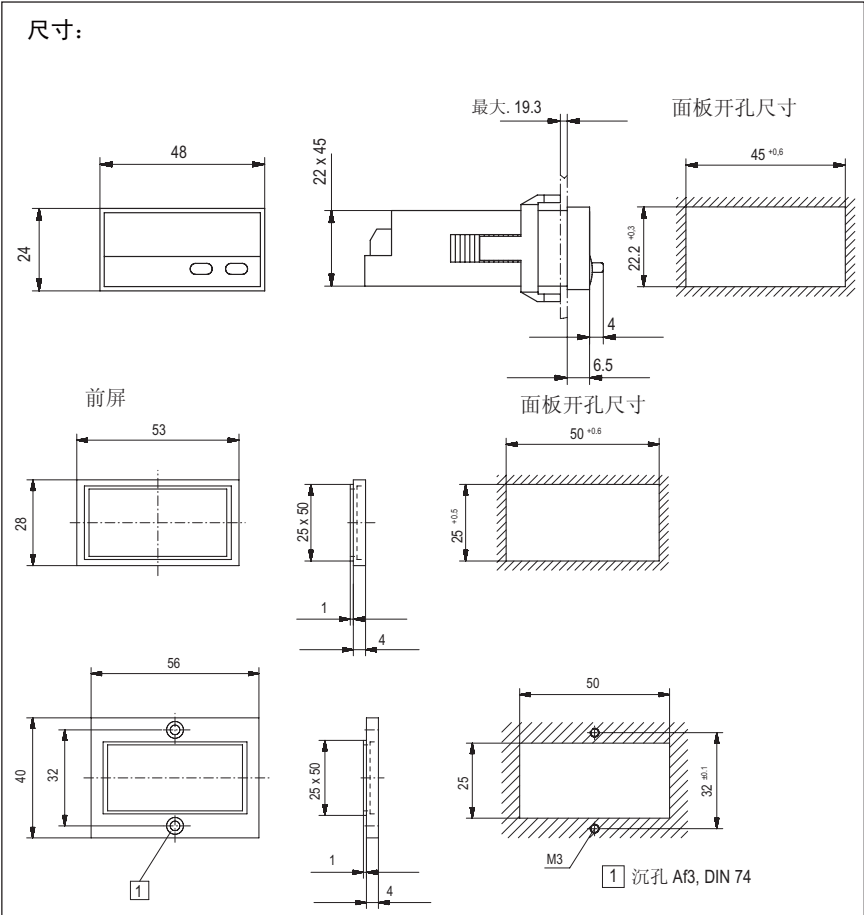
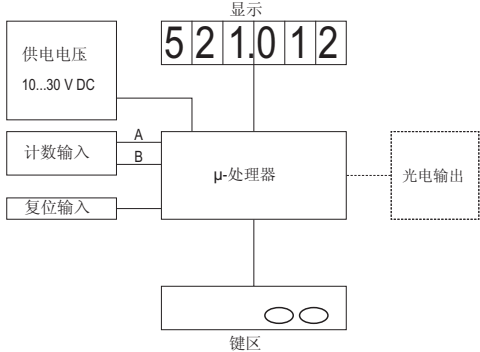
### 技术参数:

供电电压:	10 ... 30 V DC,
电压:	带反极性保护
电流消耗:	最大50 mA
显示:	6位红7段LED; 8 mm高
数据存储:	EEPROM
外壳:	尺寸48 x 24 mm 依照DIN 43 700; RAL 7021, 灰色
输入极性:	可编程, NPN或PNP
输入阻抗:	约5 k $\Omega$
计数频率:	60 kHz,可抑制为30 Hz
复位时间:	5 ms

输入电平:	低: 0 ... 0.2 x U <sub>B</sub> [V DC] 高: 0.6 x U <sub>B</sub> ... 30 V DC
输入电平:	低: 0 ... 2 V DC (5 V型) 高: 4 ... 30 V DC
光耦输出:	最大30 V, 10 mA
EMC抗干扰性:	根据EC EMC 89/36/EWG EN 61 000-6-4/EN 55 011 class B EN 61 000-6-2
环境温度:	-10 ... +50 °C
贮藏温度:	-25 ... +70 °C
防护等级:	IP65 前端
重量:	约50 g

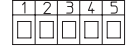
数显计数器

### 框图:



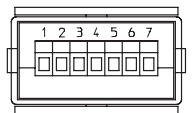
### 接线:

- 无光耦输出
- 10 ... 30 V DC
  - 0 V GND
  - INP A
  - INP B
  - 复位



### 接线:

- 有光耦输出
- 10 ... 30 V DC
  - 0 V GND
  - INP A
  - INP B
  - 复位
  - 发射极
  - 集电极



- 数显表
- 面板安装弹片
- 螺丝安装卡盘, 面板开孔尺寸 50 x 25 mm
- 弹簧卡安装卡盘, 面板开孔尺寸 50 x 25 mm
- 密封圈
- 多种语言使用手册

### 型号代码

6.521.01X.3X0

- 输入开关电平: 0 = 标准\*, A = 5 V
- 输出: 1 = 光耦, 2 = 无输出

\* 常备库存型号

# Display counter electronic



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## Position indicator or totaliser **CODIX 521**

### 4 count modes:

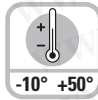
- Count with direction
- Count difference
- Count sum of 2 inputs
- Phase discriminator (quadrature) x1, x2 and x4



Power supply  
DC



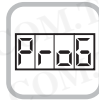
Front bezel  
dimensions



Wide temper-  
ature range



High IP  
protection  
rating



Menu-driven  
programming



Operation  
with gloves



Input type



Position  
display

### Powerful

- **Fast count input**  
Input frequency max. 60 kHz
- **Robust housing**  
IP 65 protection
- **LED display**  
Very bright, 8 mm high
- **Position, difference, adding or detection of count direction**  
Programmable for positive (PNP) or negative (NPN) switching input pulses  
Fast count input with an input frequency of max. 60 kHz, can be damped to 30 Hz for mechanical contacts
- **Fast start-up time**  
Detects incoming pulses just 16 ms after being switched on – so no pulses are lost with a simultaneous motor start-up



### User-friendly

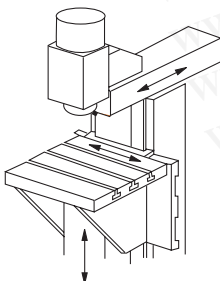
- **Big keys**  
Can also be operated when using gloves
- **Easy to programme**  
Easy menu-driven programming and operation  
Possibility to enter the programming mode during operation, with authentication query

### Universal

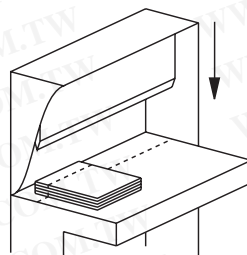
- **Individually programmable scaling**  
Multiplication and division factor (0.0001 to 99.9999), to display corresponding engineering units, e.g. position in 1/10 mm and speed in RPM
- **4 different count input modes**  
2-channel input for detecting count direction, difference or adding mode, quadrature x1, x2 or x4
- **Programmable setpoint**
- **DC power supply**
- **Inputs**  
As an alternative to the HTL inputs, devices with a 5 VDC input trigger level are available, for use as parallel displays for PLCs.
- **Optional output**  
As zero signal

## Applications for Position Displays and Totalisers

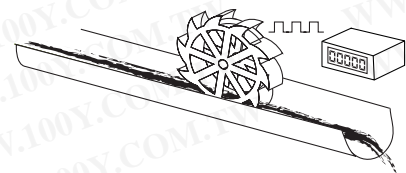
- Positioning tasks on processing machines, such as sawing machines, milling machines, bending and folding machines, etc.
- Production data acquisition by means of piece counting (using difference or adding)
- Totalizing flow, quantity and other scaleable media
- Counting tasks such as quantity and piece counting
- Accessories, OEM equipment or retrofitting to production machines
- Piece counting on die cutters, presses, extruders, woodworking machines, drilling machines, pick-and-place machines, guillotines, special-purpose vehicles etc.



Position on milling machine



Position or quantity



Flow rate

# Display counter electronic



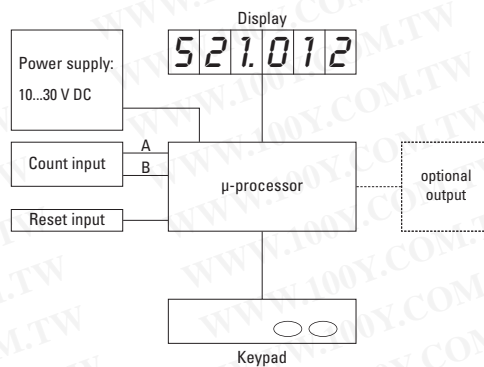
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## Position indicator or totaliser **CODIX 521**

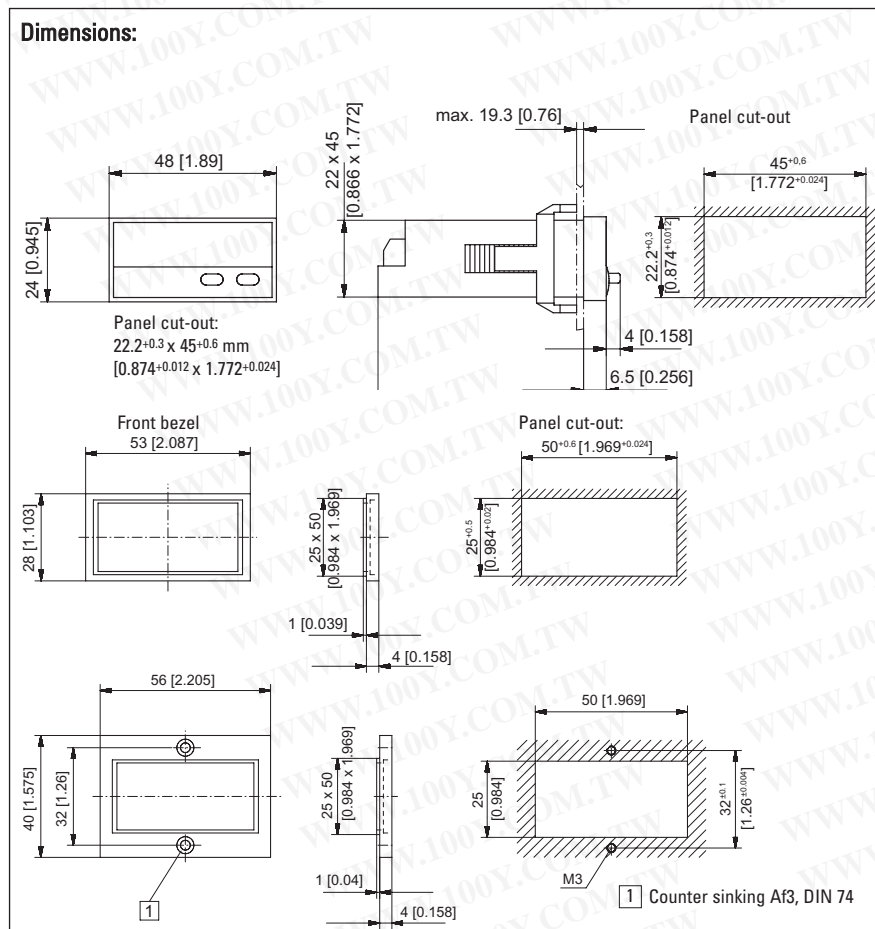
### Technical data:

Supply voltage:	10 ... 30 V DC, with reverse polarity protection	Level of inputs:	Low: 0 ... 0.2 x U <sub>B</sub> [V DC] High: 0.6 x U <sub>B</sub> ... 30 V DC
Current consumption:	max. 50 mA	Level of inputs:	Low: 0 ... 2 V DC High: 4 ... 30 V DC
Display:	6 digit red 7-segment LED; 8 mm [0.315"] high	5 V version	High: 4 ... 30 V DC
Data backup:	EEPROM	Optocoupler output:	Max. 30 V, 10 mA
Housing:	Dimension 48 x 24 mm [1.89 x 0.945"] according to DIN 43 700; RAL 7021, grey	EMC:	according to EC EMC directive 89/36/EWG
Polarity of inputs:	programmable, npn or pnp for all inputs	Immunity to interference:	EN 61000-6-4/EN 55011 class B
Input resistance:	approx. 5 kΩ	Emitted interference:	EN 61000-6-2
Counting frequency:	60 kHz, can be damped to 30 Hz	Ambient temperature:	-10 ... +50 °C [14 ... 122 °F]
Reset time:	5 ms	Storage temperature:	-25 ... +70 °C [-13 ... 158 °F]
		Protection:	IP65 front side
		Weight:	approx. 50 g [1.764 oz]

### Block diagram:



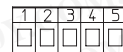
### Dimensions:



### Connections:

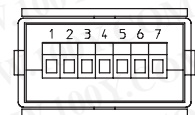
without optocoupler

- 1 10 ... 30 V DC
- 2 0 V GND
- 3 INP A
- 4 INP B
- 5 Reset



### Connections:

- with optocoupler
- 1 10 ... 30 V DC
  - 2 0 V GND
  - 3 INP A
  - 4 INP B
  - 5 RESET
  - 6 Emitter
  - 7 Collector



### Delivery specifications:

- 1 Digital display
- 1 Panel mounting clip
- 1 Bezel for screw mounting, panel cut out 50 x 25 mm [1.969 x 0.984"]
- 1 Bezel for clip mounting, panel cut out 50 x 25 mm [1.969 x 0.984"]
- 1 Seal
- 1 Multilingual operating instructions

### Order code:

6.521.01X.3X0

- Input switch level
  - 0 = Standard\*
  - A = 5 V
- Output
  - 1 = Optocoupler
  - 2 = No output

\* standard stock model