



从我们在线的产品目录中提取出来:

crm+35/IU/TC/E

当前: 2025-01-27



全能的crm+系列使用1.4571的不锈钢, 超声换能器带有保护膜。

主要特点

- › 超声波换能器覆盖 PEEK保护膜 › 便于清理并有很高的抗腐蚀性
- › 不锈钢外壳
- › 测量值直接以mm/cm 或 %的方式通过LED显示出来
- › IO-Link 接口 › 支持最新的工业标准
- › 可通过数字显示器预设数值的传感器 › 实现传感器的预设
- › 自动同步和异步工作 › 最多可实现10个传感器的同步工作

基本特点

- › 1 个推挽开关量输出 › 兼容 pnp 或 npn
- › 1 个或2个pnp开关量输出
- › 模拟量输出4–20mA和0–10V › 电流和电压输出可自动切换
- › 检测距离从 30 mm 到 8 m, 存在5种检测量程
- › 可以使用T1或T2按钮来进行microsonic的示教
- › 0.025 mm ~2.4 mm 的分辨率
- › 温度补偿
- › 工作电压 9–30 V
- › 连接控制 › 可以通过连接电脑来配置传感器参数

产品描述

Sensor membrane with wear-resistant protective film

In many filling processes, spray on the sensor membrane simply cannot be avoided. These sprays often harden so that after longer periods of operation contamination can only be removed from the sensor membrane by mechanical means. The new protective film of the crm+ sensors now makes it easy to remove caked-on soiling, such as hardened casting compound and cement spatter.

The protective film is also highly resistant to corrosive media. The threaded sleeve is made of 1.4571 stainless steel.



TouchControl with LED display - Wear-resistant PEEK protective film

There are three output stages available for all five detection ranges:

-  1 switching output, optionally in pnp or Push-Pull circuitry
-  2 pnp switching outputs
-  1 analogue output 4–20 mA and 0–10 V

The crm+ sensors with switching output have three operating modes:

- › Single switching point
- › Two-way reflective barrier
- › Window mode

With TouchControl

all configuration can be done right at the sensor. The easily legible three-digit LED display continually shows the current

distance value and automatically switches between millimetre and centimetre displays.

Setting a switching or analogue output

can optionally be carried out by numeric input of the desired distance values, or using a teach-in procedure. This permits the user to select the configuration method preferred.

The crm+ sensors support synchronisation and multiplex operation and have extensive parameterisation options via LinkControl. For detailed information, please see at [mic+ sensors](#).

LinkControl

consists of the LinkControl adapter and the LinkControl software and facilitates the configuration of the crm+ sensors via a PC or laptop with any conventional Windows® operating system.

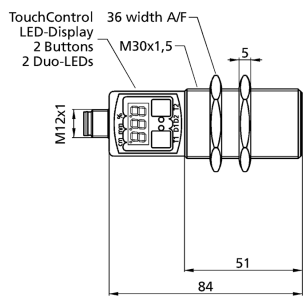


Sensor connected to the PC via LCA-2 for programming

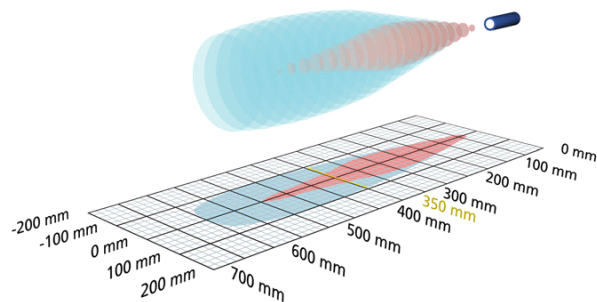
集成IO-Link

在1.1版中，crm+传感器配备了智能传感器配置文件，从而使得IO-link设备之间的通讯更简便。

外壳



检测区域



1 x 4-20 mA + 0-10 V 模拟量输出



600 mm

检测范围	85 - 600 mm
设计	圆柱形 M30
工作模式	模拟距离测量
特性	高度耐化学性 不锈钢型号 显示器

超声波特性

测量方法	回波传播时间
换能器频率	360 kHz
盲区	85 mm
检测范围	350 mm
最大检测范围	600 mm
分辨率	0.069 mm to 0.17 mm, depending on the analogue window
重复精度	± 0.15 %
精度	± 1 % (内置温度漂移补偿)

电气数据

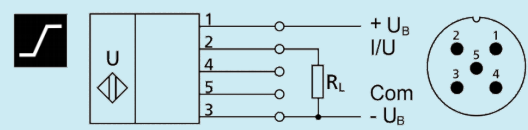
工作电压	9 - 30 V d.c.,反极性保护
电压脉动	± 10 %
空载电流损耗	≤ 80 mA
连接类型	5芯M12接插件

crm+35/IU/TC/E

输出量		
输出1		模拟量电流输出: 4-20 mA / 电压输出: 0-10 V (当 $U_B \geq 15$ V),短路保护, 可切换, 递增/递减
响应时间		64 ms
上电延时		< 300 ms
输入		
输入1		com端输入 同步输入
外壳		
材质		不锈钢, 塑料件, PBT, TPU
超声波换能器		PEEK涂层, PTFE密封圈
防护等级EN 60529		IP 67
工作温度		-25°C to +70°C
储存温度		-40°C 到 +85°C
重量		150 g
更新版本		电缆连接 (根据要求)
技术特点/特性		
温度补偿		是
控制装置		2个按键+LED显示 (触摸控制)
设定范围		Teach-in and numeric configuration via TouchControl LCA-2带有LinkCopy 或 LinkControl 软件
Synchronisation		是
多通道的		是
指示灯		3位数字 LED显示,2 x 三色 LED
特性		高度耐化学性 不锈钢型号 显示器

crm+35/IU/TC/E

针脚示意图



订货型号

crm+35/IU/TC/E

The content of this document is subject to technical changes.
Specifications in this document are presented in a descriptive way
only. They do not warrant any product features.