

# WIKA TR12-B TR12-M 过程热电阻温度计 配保护套管 防爆Ex d Ex i

产品名称	WIKA TR12-B TR12-M 过程热电阻温度计 配保护套管 防爆Ex d Ex i
公司名称	卓尔瑞华（北京）科技有限公司
价格	面议
规格参数	加工定制:是 品牌:WIKA/威卡 类型:隔爆型热电阻
公司地址	北京市北京经济技术开发区文化园西路6号院20 号楼1807
联系电话	010-51669912 15910733293

## 产品详情

wika tr12-b tr12-m 过程热电阻温度计 配保护套管 防爆ex d ex i

process resistance thermometer model tr12-b, for additional thermowell model tr12-m, basis module

fig. left: process resistance thermometer model tr12-b fig. right: basis module model tr12-m

applications chemical industry petrochemical industry offshore  
plant and vessel construction

special features for many variants of temperature transmitters with field transmitter for  
mounting in all standard thermowell designs spring-loaded measuring insert (replaceable)  
explosion-protected versions ex d, ex i

description resistance thermometers in this series can be combined with a large number of thermowell  
designs. the replaceable, centrally spring-loaded measuring insert and its extended spring travel enable combination  
with the widest range of connection head designs. a wide variety of possible combinations of sensor,  
connection head, insertion length, neck length, connection to thermowell etc. are available for the thermometers;  
suitable for any thermowell dimension and any application.

specifications

## neck tube versions

**measuring insert** the exchangeable measuring insert is made of a vibration-resistant sheathed measuring cable (mi cable). the diameter of the measuring insert should be approx. 1 mm smaller than the bore diameter of the thermowell. gaps of more than 0.5 mm between thermowell and the measuring insert will have a negative effect on the heat transfer, and they will result in unfavourable response behaviour from the thermometer. when fitting the measuring insert into a thermowell, it is very important to determine the correct insertion length (= thermowell length for bottom thicknesses of 5.5 mm). the measuring insert should be spring-loaded (spring travel: 0 ... 20 mm) in order to ensure that it presses against the bottom of the thermowell.

**neck tube** the neck tube is screwed into the connection head or the case. the neck length depends on the intended use. usually an isolation is bridged by the neck tube. also, in many cases, the neck tube serves as a cooling extension between the connection head and the medium, in order to protect any possible built-in transmitter from high medium temperatures. in the ex d version the flameproof joint is integrated in the neck tube.

## thermowell selection

**transmitter (option)**

**explosion protection** for application in hazardous areas, corresponding versions are available.

**intrinsic safety** the instruments comply with the requirements of 94/9/ec (atex) directive for gas.

**flameproof enclosure** these instruments comply with the requirements of 94/9/ec (atex) directive or iecex for gas.

the classification/suitability of the instrument (permissible power  $p_{max}$  as well as the permissible ambient temperature) for the respective category can be seen on the ec type examination certificate or on the iecex certificate and in the operating instructions.

built-in transmitters have their own ec type-examination certificate. the permissible ambient temperature ranges of the built-in transmitters can be taken from the corresponding transmitter approval.

**functional safety (option)** in safety-critical applications, the entire measuring chain must be taken into consideration in terms of the safety parameters. the sil classification allows the assessment of the risk reduction reached by the safety installations. selected tr12 process resistance thermometers in combination with an appropriate temperature transmitter (e.g. model t32.1s) are suitable as sensors for safety functions up to sil-2. matched thermowells allow easy dismounting of the measuring insert for calibration. the optimally tuned measuring point consists of a thermowell, a tr12 thermometer and a t32.1s transmitter developed in accordance with iec 61508. thus, the measuring point provides maximum reliability and a long service life.

**electrical connection** (colour code per iec 60751)

ordering information model / explosion protection / ignition protection type / sensor /  
sensor specification / thermometer operating range / terminal box / thread size at the cable entry / cable entry /  
transmitter / neck tube version / connection to housing, connection head / connection to thermowell / neck tube  
length n(mh) / insertion length a / measuring insert / options

欢迎致电咨询订购wika tr12-b tr12-m 过程热电阻温度计 配保护套管 防爆ex d ex i

电话:010-51669912 56291930 15910733293

传真：010-51669912

qq：823377546 1491421115 2636968574

邮箱：sales@zoriver.cn

公司官网：<http://www.zoriver.com.cn>      <http://www.zoriver.cn>

本产品的加工定制是是，品牌是WIKA/威卡，类型是隔爆型热电阻，型号是TR12-BTR12-M，分度号是P  
T100，测量范围是-200...+600 ° C ( )，允差等级是A，热响应时间是1 (s)，装箱数是1