

Training 22 - FC01 FC100 family - versatility

培训 22-FC 01 FC100 家庭- 多功能性

As you surely remember FC01 and FC100 measuring systems always consist of at least three parts: An electronic control unit, a sensor and a cable between sensor and electronic control unit.

你一定记得FC01和FC100的测量系统总是由至少三部分组成:一个电子控制单元, 一个传感器和一个传感器和电子控制单元之间的电缆。

In technical trainings parts 7 and 10 the electronic control unit options and the different sensors were explained. In this training you will be introduced to the great versatility of FC01 and FC100 measuring systems. 在技术训练部分7和10的电子控制单元选项和不同的传感器被解释。在这次培训中, 将介绍FC01和FC100测量系统的广泛应用。






Example case 示例案例

An automotive supplier with several production lines and a big consumption of compressed air and other gases is going to introduce an energy management system. They have five different measuring tasks: 一个拥有几条生产线和大量消耗压缩空气和其他气体的汽车供应商将引进一个能源管理系统。他们有五种不同的测量任务:

- Compressed air consumption measurement in pipes with 250 mm diameter
直径250mm的管道压缩空气消耗量测量
- Compressed air consumption measurement in pipes with 65 mm diameter
直径65mm的管道压缩空气消耗量测量
- Compressed air consumption measurement in pipes with 25 mm diameter
压缩空气消耗量测量直径25mm的管道
- Nitrogen consumption measurement in pipes with 16 mm diameter
直径16mm管内的氮耗量测量
- Hydrogen consumption measurement in pipes with 20 mm diameter
直径20mm管道内的氢耗量测量

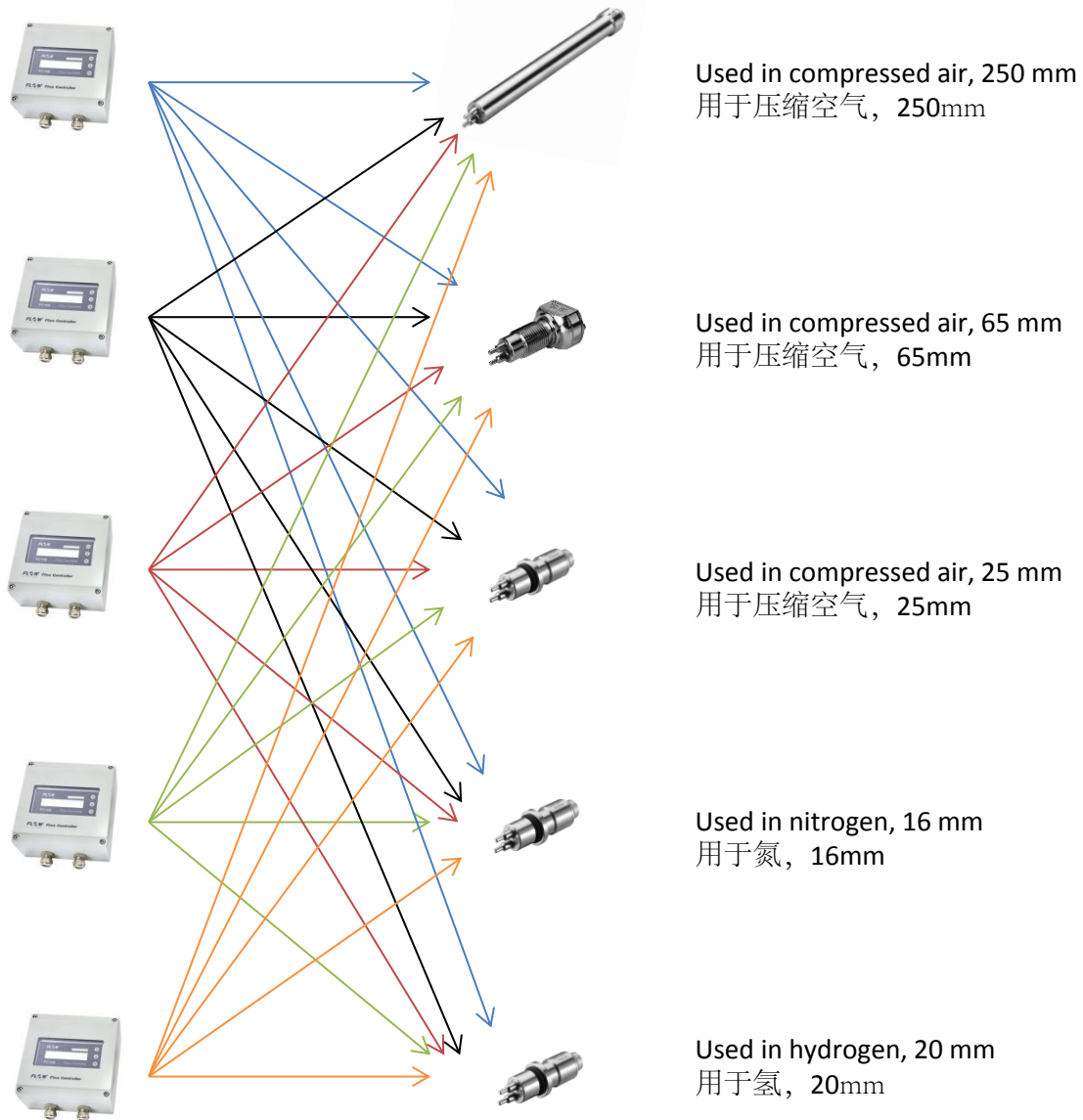
They will only find one measuring system on the market which can be used for all five measuring tasks – it is the FC01 FC100 family. You can use the following combinations for those tasks:

他们只会在市场上找到一个可以用于所有5个测量任务的测量系统——FC01 FC100家庭。您可以使用以下的组合来完成这些任务:

- Compressed air consumption measurement in pipes with 250 mm diameter FC100-CA (or FC01-CA) with CSF
用CSF直径250mm FC100 - CA(或FC01 - CA)的管道压缩空气消耗量测量

- Compressed air consumption measurement in pipes with 65 mm diameter FC100-CA (or FC01-CA) with CST (or CSF)
用CST(或CSF)对直径65mm FC100 - CA(或FC01 - CA)管材的压缩空气消耗量测量

- Compressed air consumption measurement in pipes with 25 mm diameter FC100-CA (or FC01-CA) with CSP (or CST)
用CSP(或CST)对直径25mm FC100 - CA(或FC01 - CA)管材的压缩空气消耗量测量

- Nitrogen consumption measurement in pipes with 16 mm diameter FC100-CA (or FC01-CA) with CSP
以CSP为直径16mm FC100 - CA(或FC01 - CA)管材的氮耗量测量

- Hydrogen consumption measurement in pipes with 20 mm diameter FC100-CA (or FC01-CA) with CSP (or CST)
用CSP(或CST)对直径20mm FC100 - CA(或FC01 - CA)管材的氢耗量测量


Above that the customer is able to **combine any random FC100-CA with any sensor** - regardless of whether it is a CST, a CSF or a CSP, regardless of which gas is to be measured.

在此之上，客户可以将任何随机的FC100 - CA与任何传感器结合在一起——不管它是CST,CSF还是CSP，不管要测量哪种气体。



It is also possible to use only one electronic control unit and perform **temporary measurements**.
也可以只使用一个电子控制单元，进行临时测量。

For example the customer could measure one week in a 250 mm compressed air pipe with CSF and the other week in a 20 mm hydrogen pipe.

例如，客户可以在250mm的压缩空气管道中测量一个星期，而另一个星期在20mm的氢气管道中。

The customer just has to configure the electronic control unit to the measuring point (pipe size, sensor, fluid) before he starts the measurement.

在开始测量之前，客户只需要配置电子控制单元到测量点(管道大小，传感器，流体)。

