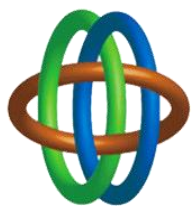


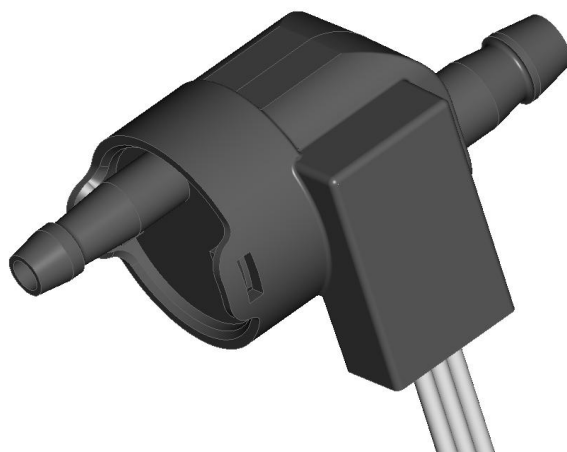
专利产品/ Patent



深圳市能点科技有限公司

SHENZHEN EPT TECHNOLOGY CO., LTD.

规格书
SPECIFICATION



FM-HL2218

霍尔流量传感器

Hall flow sensor

版本 Version: A

日期 Date: 2022/08/13

www.eptsz.cn

www.eptsensor.com

● 修订记录/Revision History

| No. | 日期/Date | 备注/Remark | 修订/Revision |
|-----|----------|------------------|-------------|
| 1 | 20220813 | MP Version issue | A |
| | | | |
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● 电气参数特性/ Electrical Specification (Ta=25°C)

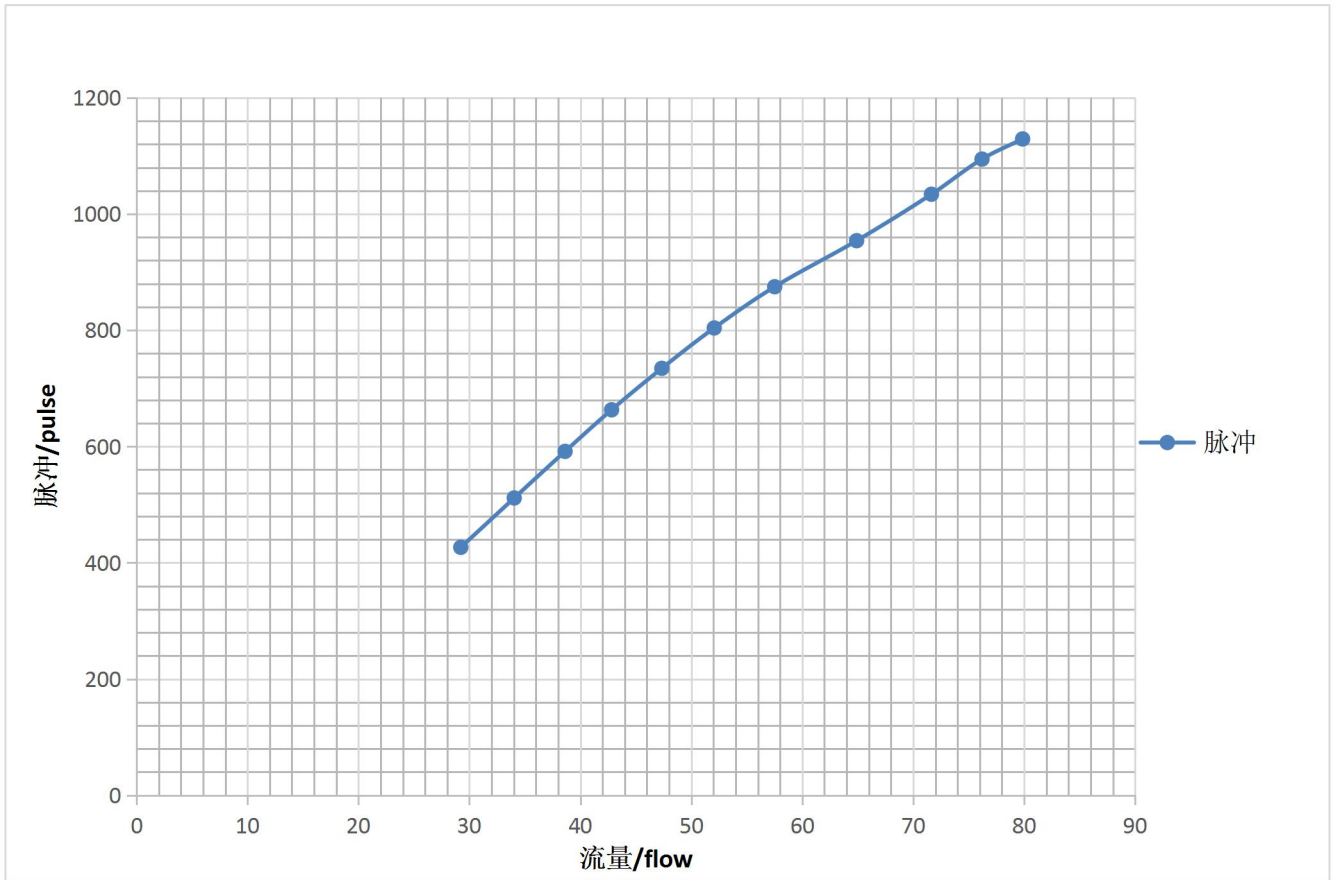
| 参数/Parameter | | 符号/Symbol | 条件/Condition | 最小值/Min | Typ | 最大值/Max | 单位/Units |
|-------------------------------------|----------------------------|-----------|---------------------|---------|-----|---------|----------|
| 直流特性/direct-current characterist | 工作电压/Working Voltage | VDD | Ta = 25°C | 3.0 | — | 24 | V |
| | 电流/current | IDD | Ta = 25°C | 2 | — | 4 | mA |
| | 输出源电流/output current | IOL | Ta = 25°C | — | <2 | — | mA |
| 极限值/limit value | 工作温度/Operating Temperature | Topr | VDD =5V | 0 | — | 65 | °C |
| | 储存温度/Storage Temperature | Tstg | — | -10 | — | 70 | °C |
| | 工作寿命/Working Time | Wt | VDD =5V Totg = 25°C | 50000 | | | h |
| | 耐压力/Pressure resistant | — | Ta = 25°C | — | — | 100 | kPa |



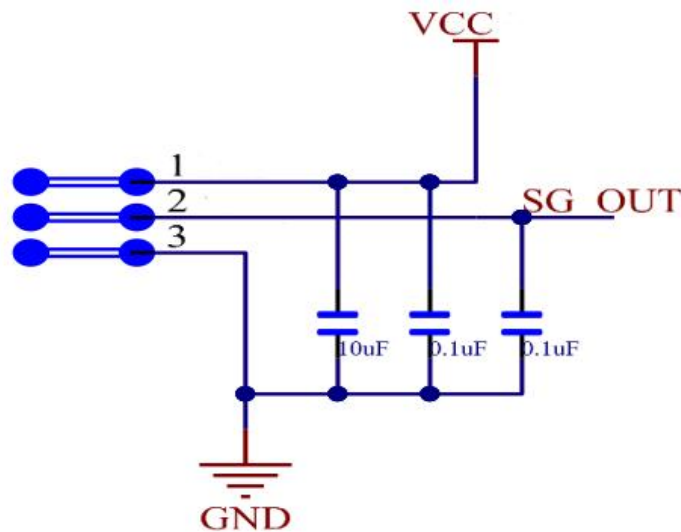
本规格书为相应产品作业之标准，在客户确认后，会作为生产、供货的依据。如有特殊要求，可告知联系你的市场部人员，并出具承认书。

This specification is the standard for the operation of the corresponding products. It will be used as the basis for production and supply after confirmation by the customer. If you have special requirements, please contact our sales and issue an acknowledgement.

脉冲流量线性表



● 推荐应用电路/Recommended Application Circuit



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● 注意事项/Precautions

流量范围：30-80ml/min（如果有更高或更低的流量要求，请联系你的销售代表）

Flow range : 30-80ml/min (For higher or lower traffic requirements, please contact your sales representative)

确保流体没有快速的脉冲波动

Insure no fast pulse flucuations of the fluid.

确保没有反向激增压力

Insure no reverse surge pressure.

确保整个流道系统里没有空气

Insure no air in the entire circulation system.

注意流量计的安装位置

Notice the mounting position of the flowmeter.

最小/最大流量应在流量计线性范围内

Min/max flow should be within the linear range of the flowmeter.

适当的时间间隔后应清洗系统

System should be cleaned after an appropriate time.

● 尺寸和推荐安装/ Outline Drawing and Recommended Installation



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1 2 3 4 5 6

A

A

B

B

C

C

D

D

E

E

F

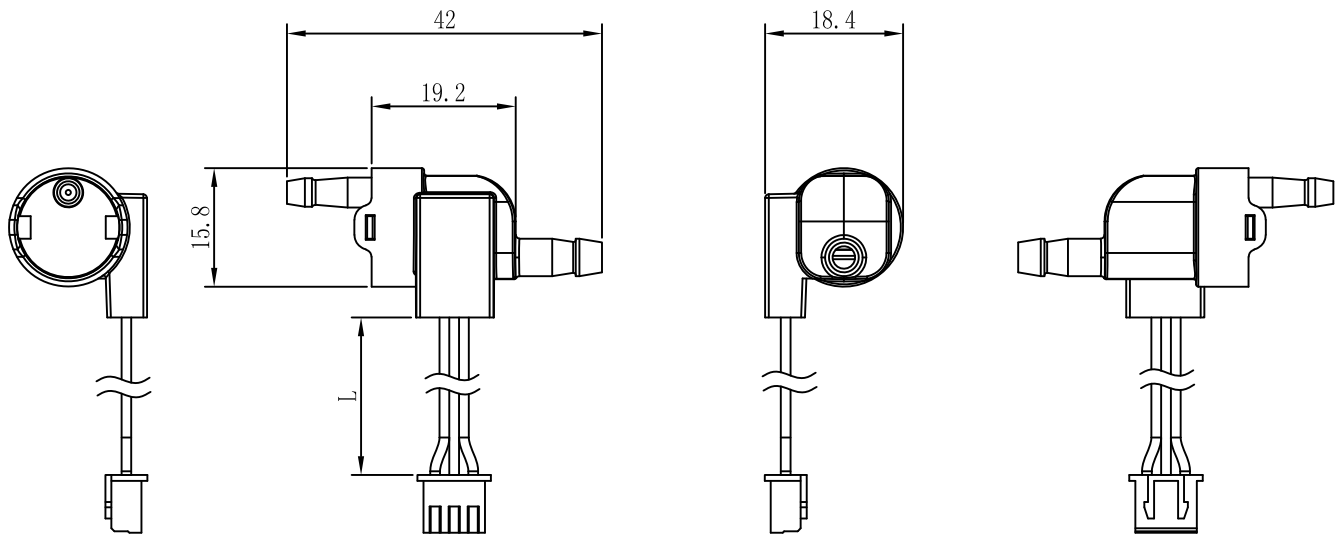
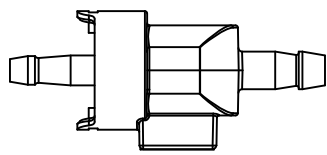
F

G

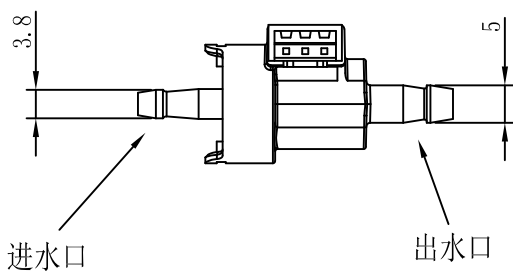
G

H

H



1 2 3
VCC Red
SG Yellow
GND Blue



| | | | |
|------------------------------|------|-------------------------|---------|
| 耐溫 Temperature resistance | 80°C | 耐壓 Withstand voltage | 300V |
| 鍍錫 Tin plating | * | 長度 Length | 250±10 |
| UL線規 UL wire gauge | 1007 | UL編號 UL number | E348531 |
| 顏色 Colour | 紅黃藍 | 線號 Line number | 26AWG |

線材規格
Wire specification

| | | | |
|---------------------|-------|-----------------------|----|
| 腳距 Foot distance | 2.54 | 孔數 Number of holes | 3 |
| 顏色 Colour | White | 型號 Model | XH |

端子規格
Terminal Specifications

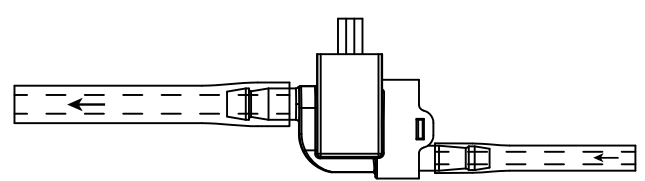
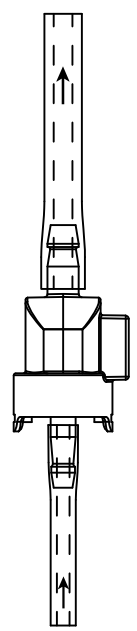
| | | | |
|---|--|--|--|
| 4 | | | |
| 3 | | | |
| 2 | | | |
| 1 | | | |

| | | | |
|-----------|------------|-----------|------------|
| 編號 No. | 名稱 Name | 數量 QTY | 備註 P.S. |
|-----------|------------|-----------|------------|

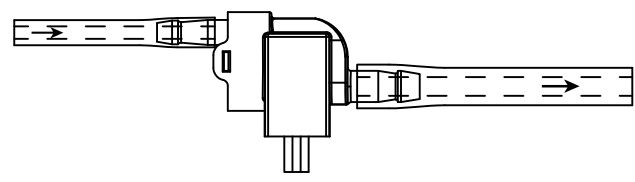
| | | | | | | | | | |
|--------------------|-------|----------------|-----|---------------|----|--|-----------|-----------------|----------|
| 設計 Designer | Chen | 材料 Material | * | 單位 Unit | mm | 能點科技有限公司 EPT technology co., LTD | | | |
| 檢查 Checked | Chen | 表面處理 Finish | * | 比例 Scale | * | | | | |
| 審批 Approver | Wei | 數量 Quantity | * | 篇幅 Size | A4 | 產品名 Product Name | FM-HL2218 | 日期 Date | 22-08-13 |
| 一般公差 Tolerances | 0-10 | ±0.15 | 0.8 | 備註 Remarks | * | 頁面內容 Page content | 產品圖 | 版本 REV | A |
| | 10-35 | ±0.25 | | | | 圖號 DWG NO. | * | 頁數 Pages NO. | 1/2 |
| | 35-70 | ±0.35 | | | | | | | |

1 2 3 4 5 6

推荐安装1：垂直安装，水流由下往上的方向流动

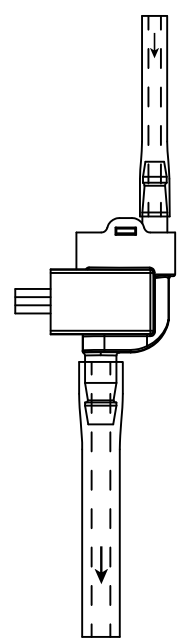




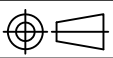
推荐安装2：水平安装，进水口处于出水口下方或者进水口与出水口处于同一水平线上



不推荐安装1：进水口处于出水口上方

不推荐安装2：水流由上往下流动的垂直安装



| | | | | | | | | | |
|--------------------|-------|----------------|---|---------------|---|---|-----------|-----------------|----------|
| 設計 Designer | Chen | 材料 Material | * | 單位 Unit | mm |  能點科技有限公司 EPT technology co., LTD | | | |
| 檢查 Checked | Chen | 表面處理 Finish | * | 比例 Scale | * | | | | |
| 審批 Approver | Wei | 數量 Quantity | * | 篇幅 Size | A4 | 產品名 Product Name | FM-HL2218 | 日期 Date | 22-08-13 |
| 一般公差 Tolerances | 0-10 | ±0.15 |  | 備註 Remarks | * | 頁面內容 Page content | 產品圖 | 版本 REV | A |
| | 10-35 | ±0.25 | | 視圖 View |  | 圖號 DWG NO. | * | 頁數 Pages NO. | 2/2 |
| | 35-70 | ±0.35 | | | | | | | |