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智感未来

上海立格仪表有限公司  
SHANGHAI LEEG INSTRUMENTS CO.,LTD.

LEEG 单晶硅压力变送器  
LEEG Monosilicon pressure transmitter



流程工业/环保工程  
Process Industry/Environmental engineering

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# DMP305X单晶硅压力变送器

## DMP305X Monosilicon pressure transmitter

DMP305X单晶硅压力变送器是立格仪表采用世界上最先进的单晶硅压力传感器技术与专利封装工艺，精心研制出的一款国际领先技术的超高性能压力变送器。单晶硅压力传感器位于金属本体最顶部，远离介质接触面，实现机械隔离和热隔离；玻璃烧结一体的传感器引线实现了与金属基体的高强度电气绝缘，提高了电子线路的灵活性与耐瞬变电压保护的能力。这些独创的单晶硅压力传感器封装技术确保了DMP305X单晶硅压力变送器可从容应对极端的化学场合和机械负荷，同时具备极强的抗电磁干扰能力，足以应对最为苛刻的工业环境应用，是名副其实的隐形仪表。

DMP305X monosilicon pressure transmitter is a high performance pressure transmitter with international leading technology meticulously designed by LEEG instrument, using the world's most advanced monosilicon pressure sensor technology and patent encapsulation technology.

Monosilicon pressure sensor locates on the top of the metal body and stay away from the medium interface to realizes mechanical isolation and thermal isolation. Glass sintering sensor wire realizes high strength electrical insulation of metal base and improves the capability of flexibility of electronic circuit and transient voltage resistance protection.

All these original encapsulation technologies enable DMP305X to easily cope with extreme chemical occasion and mechanical load, and own strong resistance to EMI, sufficient to respond to the most rigorous industrial environment applications, which are the genuine invisible instruments.

### 高性能DMP305X单晶硅压力变送器

国际领先技术与中国智造的完美结合，开启最优压力测量技术方案的新标准。



### High-performance DMP305X monosilicon pressure transmitter

Perfect match between internationally leading technology and Chinese smart manufacturing.  
Establish new criteria for the optimum pressure measuring solutions.

## 独创专利的全密封、全隔离单晶硅压力传感器

精准充液量技术，消除温度、静压的影响，双膜片过载结构，从容应对高过载考验。



## Originally patented fully-sealed, fully-isolated monosilicon pressure sensor

Accurate filling fluid technology, eliminates effects of temperature and static pressure.

Dual diaphragm overload structure, can easily cope with high overload tests.

## 专用集成电路与表面封装技术的信号变送模块

性能强大的24位ADC实现高精度与快速响应，显示模块可350°旋转，按键参数操作功能友好。



## ASIC and SMT signal transmitting module

Powerful 24 ADC achieves high precision and quick response.

350° rotation display module, friendly button parameters operation function.

## 超强耐瞬变电压保护端子模块

强有力的贴身保护，变送器的安全卫士。

纵然历经电闪雷鸣，依然保持稳定工作。



## Strong transient voltage resistance to protect terminal module

Vigorous close protection, security guard for transmitters.

Though experiencing fulminating, it still keeps stable operation.

## 外部三按键菜单功能实现现场操作

全隔离磁感应结构，满足隔爆要求现场的安全操作规范，按键参数设置不影响电气防护等级，更安全、更快捷。



## External three buttons menu function enables site operation

Fully-isolated magnetic induction structure satisfies the safety operation conditions for site with flameproof requirements.

Button-parameter setting does not affect the degree of electrical protection, in a safer and more convenient manner.

## 高强度的金属电气保护壳体

外形优美靓丽，尽显时尚科技美感，内在厚实坚固，满足最苛刻的环境运用。



## High strength metal electrical protection housing

Beautiful appearance, fully show the fashion sense of science and technology.  
Thick and firm inside to meet the most rigorous environmental application.

## 坚固优质的不锈钢过程法兰

超厚的加强结构，坚不可摧，高静压、高过载的强大保障。



## Solid and superior stainless steel process flange

Extra-thick strengthening structure is formidable.  
Strong safeguard with high static pressure and high overload.

## DMP305X单晶硅差压变送器

DMP305X monosilicon differential pressure transmitter



Measuring range: Differential pressure, 200Pa~10MPa  
量程范围：差压，200Pa~10MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.075%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…



### DMP305X单晶硅表压力变送器

DMP305X monosilicon gauge pressure transmitter

Measuring range: Gauge pressure, 200Pa~40MPa  
量程范围：表压，200Pa~40MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.075%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…

### DMP305X单晶硅绝对压力变送器

DMP305X monosilicon absolute pressure transmitter

Measuring range: Absolute pressure, 2kPa~10MPa  
量程范围：绝对压力，2kPa~10MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.15%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…





## DMP305X单晶硅表压力变送器

DMP305X monosilicon gauge pressure transmitter

Measuring range: Gauge pressure, 1kPa ~ 40MPa  
量程范围：表压，1kPa ~ 40MPa

Output signal: 4 ~ 20mA, 4 ~ 20mA+HART  
输出信号

Accuracy: 0.075%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…

## DMP305X单晶硅绝对压力变送器

DMP305X monosilicon absolute pressure transmitter

Measuring range: Absolute pressure, 10kPa ~ 10MPa  
量程范围：绝对压力，10kPa ~ 10MPa

Output signal: 4 ~ 20mA, 4 ~ 20mA+HART  
输出信号

Accuracy: 0.15%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…



## SMP858单晶硅差压变送器

SMP858 monosilicon differential pressure transmitter

Measuring range: Differential pressure, 4kPa~1MPa  
量程范围: 差压, 4kPa~1MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.2%F.S.  
精度等级

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...



## SMP858单晶硅表压力变送器

SMP858 monosilicon gauge pressure transmitter

Measuring range: Differential pressure, 10kPa~1MPa  
Gauge pressure, 4kPa~1MPa  
量程范围: 差压, 10kPa~1MPa  
表压, 4kPa~1MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.2%F.S.  
精度等级

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...

## SMP858单晶硅绝对压力变送器

SMP858 monosilicon absolute pressure transmitter

Measuring range: Differential pressure, 10kPa~1MPa  
Gauge pressure, 4kPa~1MPa  
量程范围: 差压, 10kPa~1MPa  
表压, 4kPa~1MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.2%F.S.  
精度等级

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...



## SMP858单晶硅表压力变送器 SMP858 monosilicon gauge pressure transmitter



Measuring range: Gauge pressure, 4kPa~10MPa  
量程范围：表压，4kPa~10MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.2%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…

## SMP858单晶硅绝对压力变送器 SMP858 monosilicon absolute pressure transmitter

Measuring range: Absolute pressure, 4kPa~10MPa  
量程范围：绝对压力，4kPa~10MPa

Output signal: 4~20mA, 4~20mA+HART  
输出信号

Accuracy: 0.2%F.S.  
精度等级

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥…



## 平齐式法兰密封件

Diaphragm seal with flexible flange connection

Measuring range: Differential pressure, 10kPa~10MPa  
量程范围: 差压, 10kPa~10MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...



## 平齐式法兰密封件

Diaphragm seal with flexible flange connection

Measuring range: Differential pressure, 10kPa~10MPa  
量程范围: 差压, 10kPa~10MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...



## 平齐式法兰密封件

Diaphragm seal with flexible flange connection

Measuring range: Differential pressure, 10kPa~10MPa  
量程范围: 差压, 10kPa~10MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...





### 延伸式法兰密封件

Flange type seals with extended diaphragm

Measuring range: Differential pressure, 10kPa~10MPa  
量程范围：差压，10kPa~10MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接：国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥...

### 平齐式双法兰密封件

DiaphragmIn-Line seals

Measuring range: Differential pressure, 10kPa~1MPa  
量程范围：差压，10kPa~1MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接：国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述：石化、化工、电力、钢铁、水泥...





## 扁平式密封件

Sandwich diaphragm seal

Measuring range: Differential pressure, 10kPa~10MPa  
量程范围: 差压, 10kPa~10MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...

## 螺纹式密封件

Diaphragm seal with threaded connection

Measuring range: Differential pressure, 10kPa~10MPa  
量程范围: 差压, 10kPa~10MPa

Process connection: GB, European standard, American  
standard, Japanese standard  
过程连接: 国标、欧标、美标、日标法兰

Application: Petrochemical, Chemical, Power, Steel, Cement...  
用途描述: 石化、化工、电力、钢铁、水泥...



## LG200温度变送器 LG200 Integrated temperature transmitter



### LG200一体化热电阻温度变送器

LG200 integrated RTD temperature transmitter

Measuring range: -50 ~ 400°C

量程范围: -50 ~ 400°C

Output signal: 4 ~ 20mA

输出信号

Accuracy: 0.2%F.S., 0.5%F.S.

精度等级

Process connection: GB, European standard, American standard thread

过程连接: 国标, 欧标, 美标螺纹

LG200温度变送器采用专用集成电路与表面封装技术的信号变送模块，并可选内置带背光和按键操作的LCD显示模块。一体化耐瞬变电压端子块，满足四级标准（差模电压：2000V，共模电压：4000V），适用于恶劣的浪涌电压场合。LG200温度变送器为任何温度测量工况提供了一个灵活、可靠的解决方案。

LG200 integrated temperature transmitter adopts ASIC & SMT signal transmitting module, optional built-in backlight and button operation LCD display module. The integrated transient voltage terminal satisfy 4 grade standard (difference-mode voltage 2000V, common-mode voltage 4000V), suitable for bad surge voltage occasions. LG200 integrated temperature transmitter provides a flexible and reliable solution for any temperature measurement applications.



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