

汽车衡和平台秤

可靠，满足严苛的要求



汽 车 衡 选 型										
型 号	SCS-10	SCS-20	SCS-30	SCS-40	SCS-50	SCS-60	SCS-80	SCS-100	SCS-120	SCS-150
最大称量 MAX(T)	10	20	30	40	50	60	80	100	120	150
分度值 (kg)	5	5	10	10	20	20	20	50	50	50
台面尺寸: 宽×长 (m)	优 选 规 格									
2.2、2.5×5、6	△									
3×7(一 / 二 节)	△									
3、3.2×8、9、10 (二节)			△							
3、3.2、3.4×12 (二 / 三 节)			△							
3、3.2、3.4×14 (三 节)					△					
3、3.2、3.4×16 (三 / 四 节)					△					
3、3.2、3.4×18 (三 / 四 节)					△					
3、3.2、3.4×20、21.24 (四节)							△			
汽车衡根据秤量选择相对应德国 HBM 传感器：一节使用 4 只传感器、二节使用 6 只传感器、三节使用 8 只传感器、四节使用 10 只传感器										
防爆传感器防爆等级：EXIA IIC T4/T6；型号为：K-C16A20T、K-C16A30T、K-C16A40T、K-C16A60T；使用仪表型号为：WTX110										
非防爆传感器型号为：C16I20T、C16I30T、C16I40T、C16I60T；使用仪表型号为：WTX110D										
秤体由保定市实达称重系统有限公司生产										
平 台 秤 选 型										
型 号	SCS-0.5	SCS-1	SCS-1.5	SCS-2	SCS-3	SCS-5	SCS-8	SCS-10		
最大称量 MAX(T)	0.5	1	1.5	2	3	5	8	10		
分度值 (kg)	0.2	0.5	0.5	0.5	1	2	2	5		
台面尺寸: 宽×长 (m)	0.6×0.6M、0.8×0.8M、1.0×1.0M、1.0×1.2M、1.2×1.2M、1.2×1.5M、1.5×1.5M、1.5×2.0M、1.5×2.5M、2.0×2.0M、2.0×2.5M、2.0×3.0M、2.5×3.0M、3.0×3.0M									
材质可选	全 304 不锈钢、全碳钢、秤体碳钢台面不锈钢									
平台秤根据称量选择相对应德国 HBM 传感器：平台秤均为一节设计使用 4 只传感器										
防爆传感器防爆等级：EXIA IIC T4/T6；型号：K-HLC110KG、K-HLC220KG、K-HLC5500KG、K-HLC1.1T、K-HLC1.76T、K-HLC2.2T、K-HLC4.4T；使用仪表型号为：WTX110										
非防爆传感器型号为：HLC110KG、HLC220KG、HLC5500KG、HLC1.1T、HLC1.76T、HLC2.2T、HLC4.4T；使用仪表型号为：WTX110										
秤体由保定市实达称重系统有限公司生产										



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FOR MORE INFORMATION, PLEASE VISIT THE COMPANY'S OFFICIAL WEBSITE：WWW.SHIDAHENGQI.COM



数字汽车衡，平台秤解决方案 Digital car scale, platform scale solution

SD-HBM能为您提供多种类型称重传感器和称重仪表，满足从汽车衡，平台秤，料罐称重系统的各种需求。广泛应用于化工，制药，建筑材料，农业，钢铁等行业。

SD-HBM can provide you with many types of weighing sensors and weighing meters to meet the various needs of automotive scales, platform scales, material and tank weighing systems. Widely used in chemical industry, pharmaceutical, building materials, agriculture, steel and other industries

料罐、料仓称重系统

Weigh system for material tank and bin

设备安全、生产质量和高重复性是料罐，料仓称重系统的关键要素，SD-HBM能为其提供完整的测量链—从称重传感器，称重模块到称重仪表。

Equipment safety, production quality and high repeatability are the key elements of the weighing system of the bin. SD-HBM can provide a complete measurement chain—from weighing sensor, weighing module to weighing instrument.

■ 用于腐蚀性环境，如化工，制药，食品工业

Used in corrosive environments, such as chemical, pharmaceutical, and food industries

■ 防爆认证，用于可能爆炸的环境

Explosion-proof certification, used for the environment with a possible explosion

■ 大吨位，最高达470t

Large tonnage, up to 470t

■ 支持多种总线系统

Support for multiple bus systems

■ 耐高温，可用于钢铁工业

High-temperature resistance, which can be used in the iron and steel industry

汽车衡、平台秤

Automobile scale, platform scale

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High-temperature resistance, which can be used in the iron and steel industry

水泥，沥青搅拌站

Cement, and asphalt mixing plant

高可靠，提供优异的质量控制能力，能够用于恶劣的工业环境是建筑材料生产设备的基本要求。SD-HBM 能够为您提供：

High reliability, provide excellent quality control ability. can be used in harsh industrial environment is the basic requirements of building materials production equipment. The HBM can provide you with

■ 精度等级高达 C6 等级的称重传感器

Weighing sensor with a precision level up to the C6 level

■ 防护等级高达 IP68 的称重部件

Weighed parts with protection grade up to IP68

■ 六线制传感器，抗干扰能力强

Six-wire sensor, strong anti-interference ability

■ 传感器结实，耐用，维护成本低

The sensors are robust, durable and low to maintain

产品描述 product description

汽车衡 / 地磅 Car balance / Lamount

SD-HBM提供一系列汽车衡/地磅解决方案，帮助监控和控制整个行业、制造、开采、垃圾填埋和回收应用中散装物料的称重。

SD-HBM offers a range of automotive scale / weight solutions to help monitor and control the movement of bulk materials throughout the industry, manufacturing, mining, landfill and recycling applications.

在过去 23 年多的时间里，我们的合作伙伴"HBM"专门开发了一系列称重传感器和仪器/电子设备用于对行驶在汽车衡/地磅上的车辆进行精确的商业(贸易)称重。

Over the past 23 years, our partner HBM has developed a series of weighing sensors and instruments / electronics for accurate commercial (trade) weighing of vehicles moving on automotive scales / loadings.

汽车衡信息 Car balance information

汽车衡/地磅本质上是一种大型平台秤，用于对整个车辆进行称重，以便在装满物料之前或清空车辆后读取车辆的重量。通常，汽车衡是经贸易合法批准的秤，用于签发用于商业(开票)目的的票据。商用汽车衡必须由经过认证的公司使用经过验证和可追溯的测量设备进行校准。因此，汽车衡称重传感器通常需要获得 OIML 或 NTEP 等组织的批准。

Automotive Scale / Lads is essentially a large platform scale used to weigh the entire vehicle in order to read the weight of the vehicle before filling the material or after emptying the vehicle. Usually, an automobile scale is a scale legally approved by trade and used to issue notes for commercial (invoicing) purposes. Commercial automotive scales must be calibrated by certified companies using verified and traceable measuring equipment, so automotive scale weighing sensors usually need to obtain approval from organizations such as OIML or NTEP.

对于永久性或半永久性汽车衡/地磅，重量读数通常使用位于附近小屋或办公室的设备记录。现在，大多数地磅都连接到运行汽车衡软件的PC，该软件可控制障碍物、交通灯、RFID 读卡器、打印票据并提供报告功能。

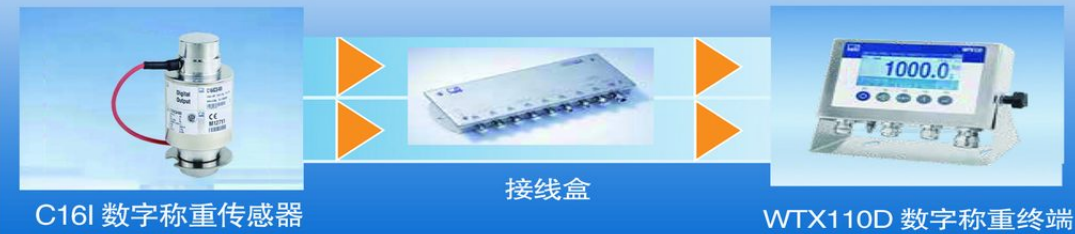
For permanent or semi-permanent automotive scales / weights, weight readings are usually recorded using equipment located in a nearby cabin or office. Most loadometer are now connected to a PC running automotive scale software, which controls obstacles, traffic lights, RFID readers, prints bills and provides reporting capabilities.



数字汽车衡，平台秤解决方案

Digital car scale, platform scale solution

数字称重系统



采用 C16, 数字称重传感器, WTX110D 数字称重仪表, HBM 的数字称重系统提供了比传统方案更优越的特性。
Using C16i digital weighing sensor, WTX110 digital weighing instrument, HBM digital weighing system provides superior features than the conventional scheme

C16i 数字称重传感器

The C16i digital weighing sensor

■ 数字输出信号 (RS-485/4 线制)

Digital output signal (RS-485 / 4 wire)

■ 额定量程 20t... 60t

The forehead quantitative process 20t... 60t

■ 自复位数字传感器

Self-reset digital sensor

■ 安装简单方便

The installation is simple and convenient

■ 不锈钢材料, 激光焊封, IP68 / IP69K 保护等级

Stainless steel material, laser welding seal, IP68 / IP69K protection grade

■ 贸易秤 4000 分度, 符合 OIML R60 标准

Trade scale 4000 degrees, meet 01 ML R60 standard

■ 按照 EN 45 501, EN 55 011 协议, 符合 EMC/ESD 要求

Comply with EMC/ESD requirements as per EN 45 501, EN 55 011 protocol

■ 内置过电压保护

Built-in overvoltage protection

WTX110D 数字称重终端

WTX110D Digital weighing terminal

■ 适于静态和动态称重任务

Suitable for both the static and dynamic weighing tasks

■ 不锈钢外壳, IP69K 保护等级

Stainless steel case, IP69K protection grade

■ RS485 接口 (2 线或 4 线)

RS485 Interface (2 or 4 lines)

■ 贸易称重精度 10.000e (OIML 认证)

Trade weighing accuracy 10.000e (OIML certification)

■ 可选; 以太网 TCP/IP, USB 2.0, VO 接口

optional: Ethernet TCP/IP, USB 2.0, VO interface

■ 现场或远程操作

Field or remote operation

■ 出色的性价比!

excellent cost performance!

■ 支持高达 52 只称重传感器连接使用

Support up to 52 weighing sensor connections for use



汽车衡类型

Type of car balance

我们的解决方案: C16 型自复位柱式称重传感器

Our solution: C16 self-reset column weighing sensor

世界各地有各种不同类型的汽车衡/地磅, 每个地区都倾向于偏爱特定类型。最常见的 3 种类型有 4-16 个称重传感器, 最大长度为 18 或 36 米, 如下:

There are various different types of car scales around the world, the loadometer, and each region tends to favor a specific type. The most common 3 types have 4-16 weighing sensors with a maximum length of 18 or 36 m, as follows:

传统钢材: 高或低轮廓设计

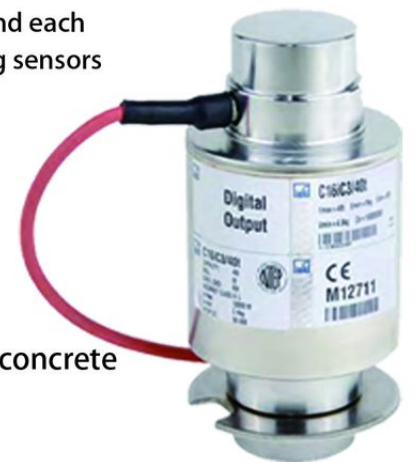
Traditional steel: high or low profile design

预应力、预制混凝土; 薄型设计; 模块化的

Prestressed and precast concrete; thin design; modular

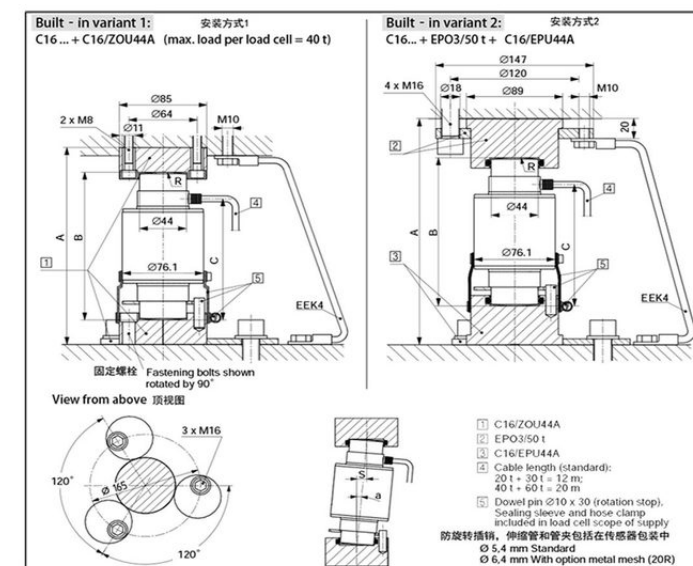
现场浇筑混凝土; 单跨或模块化钢框架, 填充混凝土

Concrete pouring on site; single span or modular steel frame, filled with concrete



HBM 是工业汽车衡/地磅称重传感器设计和制造的市场领导者, 其专为此类应用而设计。HBM 值得信赖且可靠的型号 C16 型自复位柱式称重传感器是汽车衡安装的理想解决方案, 该设计已在全球各种不同环境中安装了超过 300,000 台。这一数字表明了国际汽车衡的地磅市场普遍接受。

HBM is the market leader in the design and manufacturing of industrial automotive scale/weight sensors designed for such applications. The HBM's reliable and reliable model C16i self-reset column weighing sensor is the ideal solution for automotive scale installation, which has been installed with over 300,000 units in a variety of different environments around the world—a number that indicates the universal acceptance/loadometer market for international automotive scales.



称重料罐，料仓和搅拌机

Weighing material tank, bin and mixer

采用 Z6,HLC,RTN 和 C16 料罐称重模块

Z6, HLC, RTN and C16 material tank weighing module were used

将称重传感器集成到称重模块中，即可将料罐改建成称重设备。无论称量的是何种物体，都能获得高精度的测量结果。

When the weighing sensor is integrated into the weighing module, the material tank can be converted into a weighing equipment. No matter what kind of object is weighed, the high-precision measurement results can be obtained.

HLC 称重模块

The HLC weighing module

HLC 称重模块通过一套自复位装置达到最佳受力状态。HLC 系列称重传感器以及称重模块是在仓储以及过程控制中的理想组合。

The HLC weighing module achieves the optimal stress state through a self-reset device. The HLC series of weighing sensors and weighing modules are ideal combinations in storage and process control.

■ 额定量程从 110kg-4.4t

The frontal quantification range from 110kg-4.4t

■ 较低的结构高度

Lower structural height

■ 反抬升的固定装置

Anti-lifting fixtures

■ 镀锌钢或不锈钢选项

Galvanized steel or stainless steel options

■ 易于安装

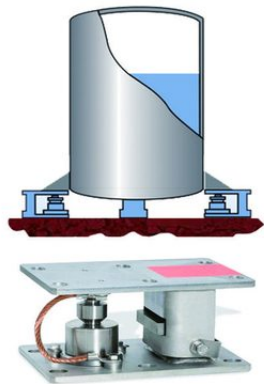
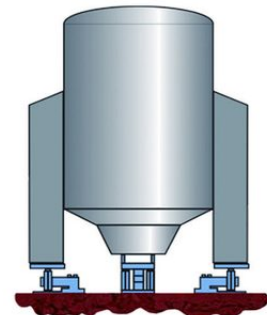
Easy to install

可选

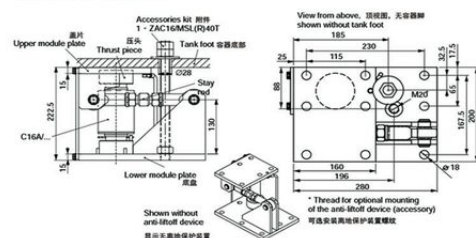
selectable:

IECEX+ATEX 标准的防爆版本

Explosion-proof version of the IECEX + ATEX standard



C16M1LB20 t... 40 t 尺寸 (mm)



Dimensions (in mm; 1 mm = 0.03937 inches)

B0098_07_E00_00 HBM: public

RTN 称重模块

The RTN weighing module

其带有自复位塑料支撑，能够对横向移动进行补偿。

It has self-reset plastic steel support and can compensate for lateral movement.

■ 额定量程从 1t-4.7t 10t-22t 和 33t

Frontation range from 1t-4.7t 10t-22t and 33t

■ 内置离地保护装置和水平限位装置

Built-in off-ground p rotection device and horizontal limiting device

■ 电镀钢或不锈钢材料

Electroplated steel or stainless steel material

■ 镀锌钢或不锈钢选项

Galvanized steel or stainless steel options

■ 易于安装

Easy to install

可选

selectable:

满足 ATEX 95 标准的防爆型号

Explosion-proof type number meeting the ATEX 95 standard

工作温度高达 110°C

Operating temperature of up to 110°C

卧式料罐称重..

Horizontal material tank weighing...

使用 Z6,HLC,RTN 和 C16 称重模块

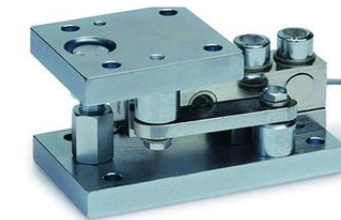
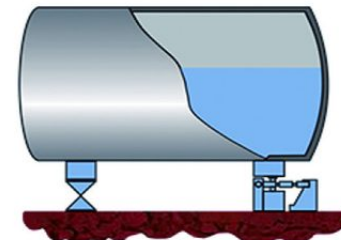
The Z6, HLC, RTN, and C16 weighing modules were used

用于称量液体的卧式料罐

Horizontal material tank used for weighing liquids

对于相对低精度的要求（如那些用于液位测量的需求）并且使用四点支撑的设备，只需要两个称重模块和两个固定支撑而不是四个称重模块。在这种情况下，需要一套料罐支架使得载荷能均匀的分布。

For equipment with relatively low precision requirements (such as those required for level measurement) and with a four-point support, only two weighing modules and two fix 的 supports are required instead of four weighing modules. In this case, the-tank hold er is required to allow uniform distribution of load

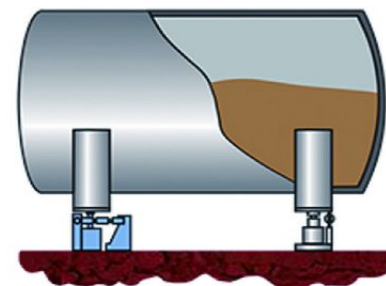


用于称量液体的卧式料罐

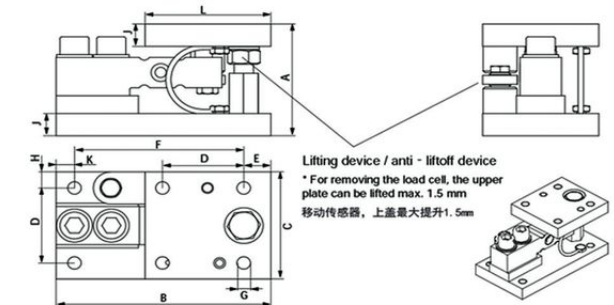
Horizontal material tank used for weighing liquids

当称温卧式料罐中心时，需使用四组称重模块精准测量实际的重量。

When weighing the center of the horizontal tank, four weighing modules should be us 的 to accurately measure the actual weight



Dimensions (in mm; 1 mm = 0.03937 inches) 尺寸 (mm)



Max. capacity 额定量程	A	B	C	D	E	F	ØG	H	J	K	L
110 kg: 220 kg: 550 kg: 1.1 t: 1.76 t: 2 t	93.6±1.6	170	100	70	17	136	13.5	15	19	17	104
2.2 t	125.3±2	220	120	84	25.5	175	14	18	23	19.5	135
4.4 t	125.3±2	220	120	84	25.5	175	14	18	23	19.5	135

B01116_07_E00_00 HBM: public

