

DEWIT 德威特 8 英寸 12 英寸机械式圆图记录仪

用于连续记录压力温度有纸记录仪，常用于矿井，油气田，远洋钻井平台，电流泵，电压泵上。亦适用测量和记录液压系统内部非蚀性或蚀性（可选配）流体的压力。可用于气体（可选配特殊气体测试），液体压力测试等，具有防风化，防腐蚀，防爆等特性。

AISI316 不锈钢外壳（可选润湿件或 PELI™防水箱），不需要外部电源就能够在室内、野外，海洋等各种恶劣环境下正常工作。记录仪无需另配压力传感器，机器内部已有压力元件；



316 不锈钢外壳

PELI 防水箱

技术参数：

机身尺寸：277 x 277 mm（8 英寸），336x463x150mm(12 英寸)

安装方式：可选便携式（手柄+脚架），挂墙式，嵌入式，2"座式，防震式等
防爆可视窗口

记录纸：8 英寸记录纸，12 英寸记录纸

精度：±0.5%

记录方式：单笔压力，单笔温度，温度+压力双笔，双笔压力（可范围不同），双笔温度

测试最小压力范围：0-1bar/0-15Psi

测试最大压力范围：0-4000bar/0-60000Psi

测试温度：-170℃~+600℃，温度最小跨度 60℃

计时器（机芯）：

发条式：单档（1 小时，4 小时，8 小时，24 小时，7 天）

双档（1 小时/15 分钟，1 小时/4 小时/2 小时/8 小时，24 小时/天）

电池式：30 分钟-1 小时-2 小时-4 小时-6 小时-8 小时-12 小时-1 天-2 天-3 天-4 天-7 天

1 小时-96 分钟-12 小时-1 天-2 天-7 天-8 天-14 天-16 天-31 天-32 天

接口：1/4NPT,1/2NPT,1/4HP

温度探头规格：10mm*100mm，毛细延长软管 3 米标准（可定制长度）

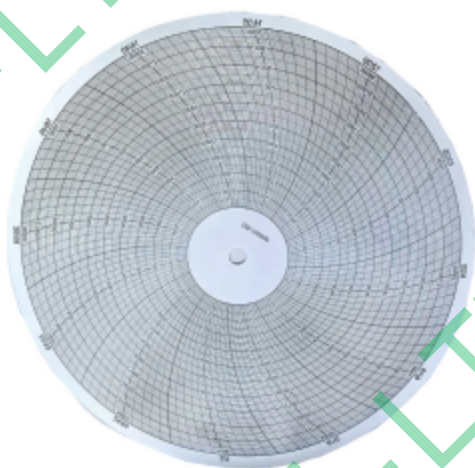
记录笔：单笔可连续划线 24 小时情况下使用 2 个月



发条式计时器



电池式计时器



8 英寸记录纸



316 温度探头



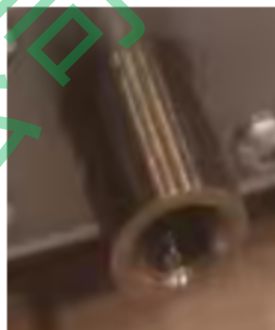
温度探头软管



可嵌入式安装



1/4"HP 公丝

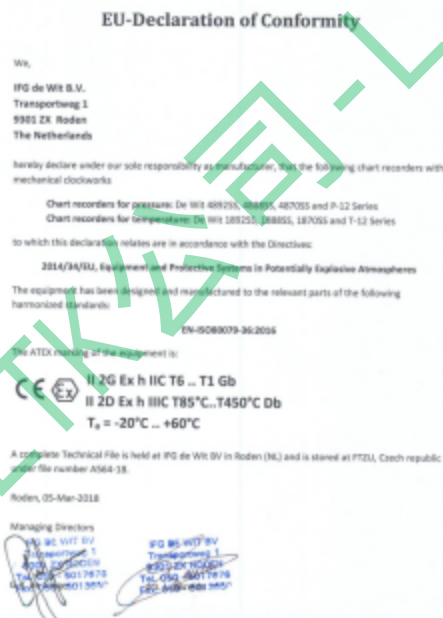


1/4"HP 母丝

操作步骤:

1. 把压力管道接上机器的接口，用扳手拧紧；
2. 设置所需要的时间刻度，发条式的计时器需要顺时针旋转 3-6 圈（不宜上满弦），计时器启动。电池式的只需要安装上 1.5V 的 2 号电池，把计时器指针拧到需要的时间上即可启动；
3. 将笔臂机构抬起，顺时针取下压纸帽（或拉直卡纸扣），将圆图记录纸平整放好，并把四个角的卡位压在记录纸上。
4. 放下笔臂，记录笔头要轻压在记录纸上将仪表外盖锁紧。
5. 至此，记录仪已开始记录。

DEWIT 具有多个国际认证



防爆证书



产地证明

DE WIT

ISO 9001:2015
Trouwheid
Nieuwheid
Veiligheid
Kwaliteit

DE WIT MET B.V.
Trouwheid
Nieuwheid
Veiligheid
Kwaliteit

DE WIT MET B.V.
Trouwheid
Nieuwheid
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CALIBRATION AND CONTROL REPORT

Apparatus Number: 303601 Series Number: 9352

Maximum weight range: 60,000 PSI / 4000 BAR

Specified accuracy: 0.1%

Working area: 0.014891 cm²

Maximum deviation of weight: 0.08 %

Actual leak rate at calibration: 0.40 mbar/h at 60,000 PSI

Actual leak rate at control: 0.40 mbar/h at 60,000 PSI

Repair date: 02-Apr-2024 Control date: 02-Apr-2024 Signature: [Signature]

(J. Boersma)

TEST METHODS

The testing operation on which De Wit Dead Weight Trainers and Gauges are calibrated are tested by the Netherlands Metrology Institute, to which all values are directly related. Two cylinder area is certified accurate to 0.0007 cm² pressure is test accuracy is 0.001. Testing and calibrating procedures have been developed in cooperation with the above Institute.

The test rate is defined as the amount the pressure is lowered under full load during one minute to keep within the specified accuracy. This should be maximum 0.5 mbar/h. This test rate is checked on two different test instruments respectively by a calibrator and a control.

The piston and cylinder assembly (P&C) is tested for the accuracy which should be for the combination, less than 0.01 mm. A test control is checked on surface finish when is further tested by observing the coating pattern under test, and by loading the piston with calibrated weights under different loads. These are determined against calibrated weights and the certified piston and cylinder. The result is noted and determines the group to which the P&C, according to its diameter settings. The maximum deviation from the mean value for the particular P&C-group is note as "maximum deviation of mean group". This should be less than -0.6.

The weights supplied with the instrument are chosen from the weight class corresponding to the similar cylinder class, so as to give with this P&C the correct pressure per area, each single weight is accurate to within 0.01 %.

Weights are separately tested on the above tester against the test cylinder and weights. The maximum deviation of all weights is given as "maximum deviation of weight". The deviation of any weight calibration is always less than 0.01 mm.

Calibration Reference: Standard Tester Type F, Serial Number 185

VSL

CALIBRATION CERTIFICATE

Number M160410.02
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Applicant: ISO de WIT B.V.,
Trouwheid 1
8001 DE Roden

Submitted: A set of 12 brass disks and a piston/cylinder for an oil pressure piston-cylinder assembly with serial number 185.

Calibration method: The conventional mass of the weights has been determined by weighing and comparison with mass standards. For a weight with a temperature of 20 °C, the conventional mass is the mass of a reference weight with a density of 8 000 kg/m³, which is known in air with a density of 1.2 kg/m³.

Period of calibration: 8 July 2019

Result: The results of the calibration are presented on page 2.

Traceability: The reported uncertainty of measurement is based on the standard uncertainty, multiplied by a coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with the GUM 'Evaluation of measurement data - Guide to the expression of uncertainty in measurement'.

Signature: [Signature]
JLWA, van Gool
Alfred Meeuwse

VSL

CALIBRATION CERTIFICATE

Number M160410.02
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Result: In the table below the results are given of the calibration and the related uncertainty.

Description	No.	Conv. mass/kg	Uncertainty/kg
piston		1.734 357 4	0.000 002 0
	1	0.308 404 3	0.000 000 0
	2	2.769 316	0.000 000 0
	3	2.769 789	0.000 000 0
	4	2.769 733	0.000 000 0
	5	2.769 863	0.000 000 0
	6	2.769 607	0.000 000 0
77° BAE	7	0.369 330 4	0.000 000 0
1030 PSI	8	0.131 340 08	0.000 000 10
77° RSP/CMS	9	0.691 330 13	0.000 000 10
37° BAE	10	0.184 415 7	0.000 000 2
505 PSI	11	0.676 397 17	0.000 000 10
36° RSP/CMS	12	0.044 451 49	0.000 000 10

VSL

CALIBRATION CERTIFICATE

Number M160410.02
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VSL is het Nationaal Metrologisch Instituut (NMI) van Nederland en levert in de hoogste mate herhaalbaarheid van meetresultaten naar internationaal geaccepteerde meetstandaarden. Het bestaat uit een gespecialiseerd vakgebied in juiste productspecificaties en productcontrole is van fundamenteel belang om een internationale, geharmoniseerde vergoeding op het gebied van handel, veiligheid, gezondheid, veiligheid en milieu te kunnen realiseren. Getuigen daarvan zijn de getuigenissen van de metrologische instituten die getuigenissen van de metrologische instituten voor de getuigenissen, berekenen en meetresultaten zoals gespecificeerd in Appendix C (zie ook op <http://www.bipm.org>).

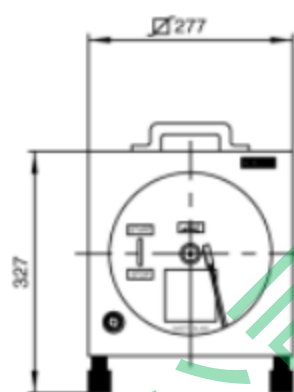
De certificaten zijn in overeenstemming met de kalibratie- en meetprocedures (GUM) die opgenomen zijn in Appendix C van de voorschriften van de metrologische instituten (BIPM), opgesteld door het Internationale Comité voor Maten en Gewichten (CIPM), in het kader van de MRA, overeenstemming van de metrologische instituten die getuigenissen van de metrologische instituten voor de getuigenissen, berekenen en meetresultaten zoals gespecificeerd in Appendix C (zie ook op <http://www.bipm.org>).

VSL is geaccrediteerd door de Rijksoverheid voor kalibratie tegen de vereisten van de ISO/IEC 17025 (accreditation scope 0202), voor het organiseren van meetresultaten van de metrologische instituten tegen de vereisten van de ISO/IEC 17025 (accreditation scope 0302) en voor het produceren van referentiestandards tegen de vereisten van de ISO 17034 (accreditation scope 0302). De accreditatievoorwaarden zijn opgenomen in de ISO/IEC 17025 (accreditation scope 0202). De accreditatievoorwaarden zijn opgenomen in de ISO/IEC 17025 (accreditation scope 0302).

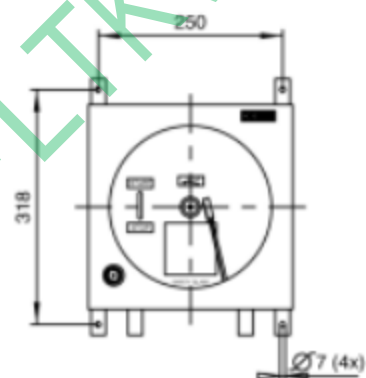
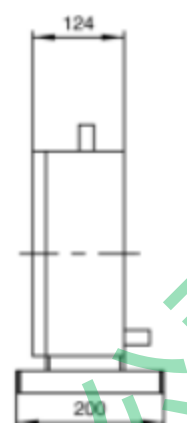
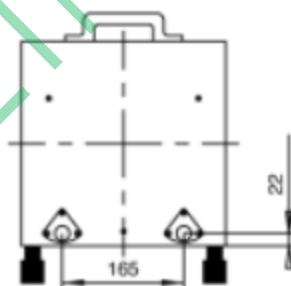
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校验证明

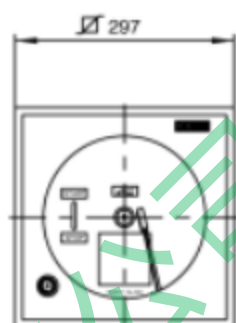
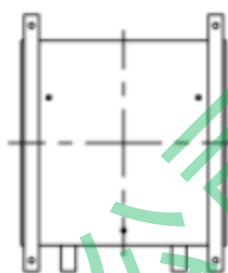
8 英寸安装方式的具体尺寸 (单位 mm)



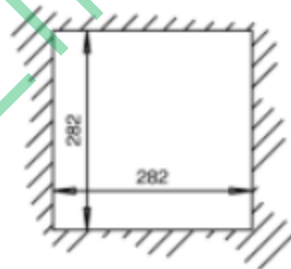
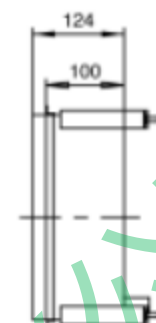
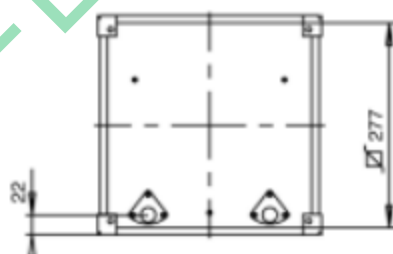
便携式



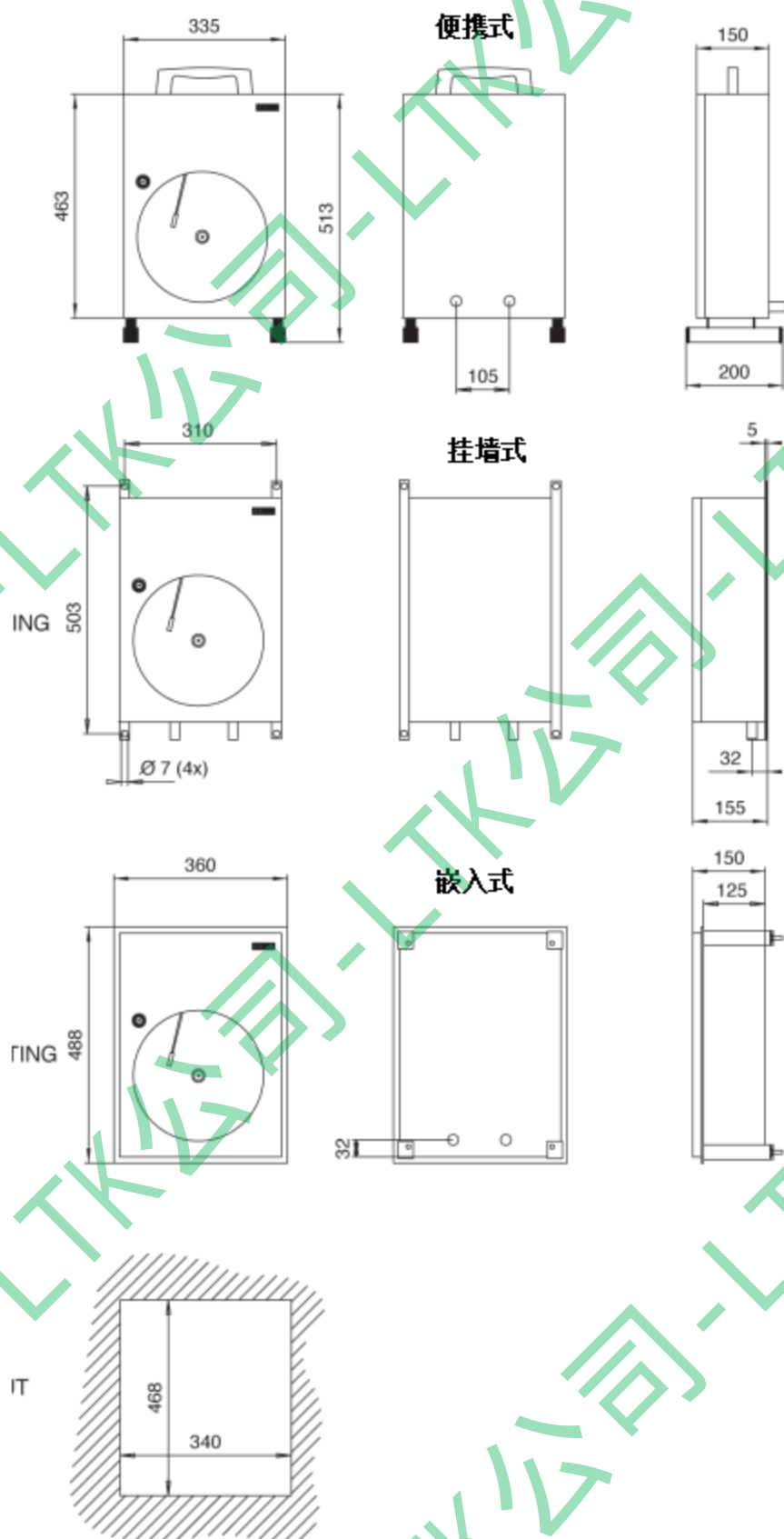
挂墙式



嵌入式



12 英寸安装方式的具体尺寸 (单位 mm)

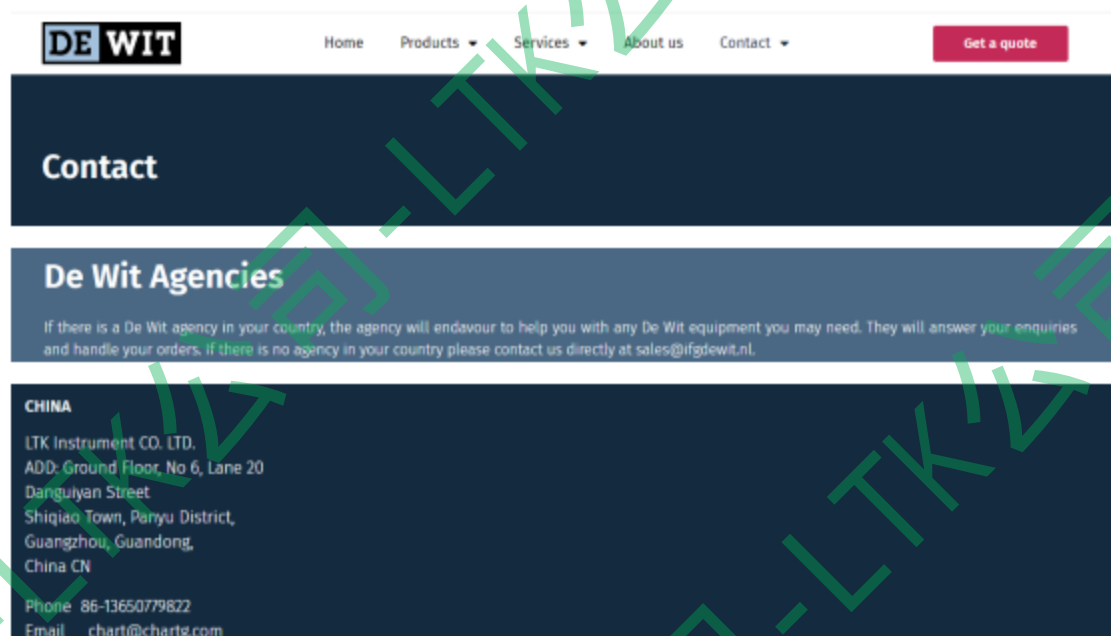


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中国总代: 广州绿图控仪器仪表有限公司

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