人物介绍

Character introduction

JACK KW CHOY

Founder/Managing Director

With an academic background in Control and Instrumentation, Electronic Engineering, and Business Management, Jack Choy has always been actively involved in the design and the engineering of electrical and instrumentation systems in the Marine and Offshore industries.
During the span of his career, as General Manager, Superintendent, Project manager, Lead E & I Engineer and Commissioning Engineer, Jack Choy has built global field-expertise and gained credentials and acknowledgements on a wide-range of projects in the Marine and Offshore industries.
Accuracy is not just how perfectly you read your environment. It is also how you implement perfection along your whole process. Most often, that is a matter of choice.
jack.choy@tekflosensors.com

杰克
创始人 / 董事总经理

Jack Choy 拥有控制和仪表、电子工程和商业管理学术背景，一直积极参与海洋和海洋工业的电气和仪表系统的设计和工程。
在职业生涯中，曾担任总经理、总监、项目经理、领先的 E&I 工程师和调试工程师。
Jack Choy 已经建立并获得了全球领域的海洋和海洋行业广泛项目的认证和承认。
准确性不仅仅是您如何完美的掌握你的环境，这也是您如何在整个过程中实现完美。
大多数情况下，这是一个选择。
jack.choy@tekflosensors.com

Dr ROBERT H BATEY

Founder/Director of engineering and Marketing

Dr Robert Batey is a life member of international Society of Automation, with an academic background in Engineering Design and Mechanical Engineering, a Master degree in fluidic dynamics, and a Doctorate degree for his research on liner-less, high signal to noise ratio magnetic flow sensors. Over his career, Dr Robert Batey has been involved in the original design of various flow and density sensors, metrology instruments and automatic measurement machines, Wobbe Index instruments and novel mechanisms.
In addition, Dr Robert Batey has been awarded 14 different patents including fluidic and electro-magnetic flow meters, temperature insulation systems for high pressure gas nuclear reactors, and Wobbe Index gas control.
Robert Batey notably served 18 years as an independent consultant for NASA, Florida, involved in special severe service flow and energy meters, hi-tech control valves, and specialized instruments，mostly used for rocket launch technology.
Please give me just one good reason why industry should not fully benefit from the very best and latest in scientific development.
robert.batey@tekflosensors.com

罗伯特·贝特博士
创始人 / 工程与市场总监

Robert Batey 博士是国际自动化学会的终身会员，拥有工程设计和机械工程学士学位、流体力学硕士学位和博士学位，专注研究无内衬高信噪比电磁流量传感器。
Robert Batey 博士在职业生涯中一直参与各种流量和密度传感器、计量仪器和自动测量仪、Wobbe Index 仪器和新型机构的原始设计。
此外，Robert Batey 博士还获得了 14 项不同的专利，包括流体和电磁流量计、高压气体核反应堆的温度保温系统和沃泊指数气体控制。
罗伯特·贝特（Robert Batey）在佛罗里达州美国航空航天局担任独立顾问 18 年，主要从事于火箭发射技术、特别严格的服务流程和能量计、高科技控制阀和专用仪器。
请给我一个很好的理由，为什么行业不应该从最好的和最新的科学发展中充分受益。
robert.batey@tekflosensors.com

Our Mission

From its humble beginnings in England 1972, tekflo's focus on innovative flow sensing technology at competitive prices has transformed it over 40 years into the international ISO 9001 certified partnership design and manufacturing company it is today.
tekflo sensors Singapore has been designed and incorporated to offer advanced and innovative solutions for flow-measurement and flow-control. For many of our industrial clients and partners, flow-controi and flow-accuracy is at the heart of the industrial process. Hence it is a crucial function to secure operations and maximize efficiency and productivity.
To better serve the needs of the | ndustry, we decided to keep a constant focus on clients requirements and environment without making any compromise with the teachings of science.
At this point of convergence of science and technology, the solutions brought by tekflo sensors prove to be:

· The most accurate flow-measurement solutions on the market.
· The most comprehensive and cost-effective range of flow sensors, covering all applications from clean to very dirty gases, liquids, slurries, pastes and saturated or superheated steam.
The easiest and most effective solutions for implementation on the field.

我们的使命

tekflo 1972 年在英国创立，tekflo 其具有竞争力的价格为重点的创新流量传感技术，经过 40 多年的发展，已转变为有国际 ISO 9001 认证的设计制造公司。
新加坡 tekflo 传感器已经设计和包含了为流量测量和流量控制提供先进和创新的解决方案。对于许多工业客户和合作伙伴来说，流量控制和流量精度是工业过程的核心。
因此，确保操作和最大限度地提高效率和生产力是至关重要的。
为了更好地满足行业需求，我们不断关注客户的要求和环境，绝不对科学做出任何妥协。
在科技融合的这一点上，tekflo 传感器带来的是：

· 市场上最准确的流量测量解决方案。
· 最全面和最具成本效益的流量传感器系列，涵盖从单纯到成分复杂的气体、液体、浆料，饱和或过热蒸汽等所有应用。

tekflo sensors A QUALITY LABEL

All our flow sensing products meet the most stringent quality assurance, at the most cost effective investments for our world-wide users and authorised distributors. From tekflo's production lines and through internationally traceable calibration facilities in Singapore, each tekflo sensors delivered to our users comes with the tekflo label, a performance certificate, and is calibrated according to our user's specification.

特弗洛传感器质量标准

在现场实施最简单最有效的解决方案。
我们的所有流量传感产品都能满足最严格的质量保证，为我们的全球用户和授权分销商提供最具成本效益的投资。从 tekflo 的生产线和通过国际可追溯的新加坡校准设备，交付给我们的用户的每个 tekflo 传感器都附带了 tekflo 标签，一个性能证书，并根据用户的规格进行校准。

Scientific and industrialised design
tekflo sensors Singapore provides an intuitive platform combining scientific expertise with field-expertise. All tekflo sensors are designed to integrate the teachings of Science for optimal industrial process and implementation.
Unequalled accuracy
tekflo sensors Singapore is the only producer of averaging Pitot sensors which measure true static pressure. This uniquely is in fuil-compliance with classical Bernoulli theory, thus providing unequalled accuracy.
Commitment
All tekflo sensors come with the Tekflo Label and internationally recognised and traceable Calibration Certificates, tekflo sensors Singapore commits at each level from design to production-process, from testing to calibration, with most relevant level of conformity and applicable certificates.
Easy implementation
All tekflo sensors are calibrated to match our users specifications in our traceable calibration-facility in Singapore. For our users, the immediate benefit is to be delivered with equipment that reliably operate according to their specifications, straight out of the packing crate.
Easy installation
Less drilling, less welding! tekflo sensors are designed to optimize installation and reduce constraints and impact on our user's process.
Industry needs
To be in best compliance with our users requirements and environments, tekflo sensors Singapore offer the most comprehensive range of flow-sensors suitable for the largest diversity of industries, flow med^a and industrial environments.

科学和工业化设计
新加坡 tekflo 传感器提供了一个直观的平台，将科学专业知识与现场专业技术相结合。所有 tekflo 传感器旨在整合科学的教学，以实现最佳工业过程和实施。
无与伦比的准确性
Tekflo 传感器（新加坡）是提供真正静压力的特弗洛传感器的唯一生产商。这符合经典伯努利理论，从而提供无与伦比的准确性。
承诺
所有 tekflo 传感器都附带 Tekflo 标签和国际公认的可溯源校准证书，新加坡 tekflo 传感器从设计到生产过程，从测试到校准，以及最相关的一致性水平和适用的证书。
轻松实施
所有 tekflo 传感器都经过校准，以符合我们在新加坡可追溯校准设施中的用户规格。对于我们的用户来说，直接利用的设备可以根据其规格可靠地运行，直接从包装箱中运出。
安装方便
钻孔少，焊接少！ tekflo 传感器旨在优化安装过程并减少对用户工艺的影响。
行业需求
为了最好地符合我们的用户要求和环境，新加坡 tekflo 传感器提供最全面的流量传感器，适用于最广泛的行业，流量和工业环境。

tekflo sensors Range:

tekProbe Averaging Pitots
tekMag Magnetic flow sensors
tekCor Multivariable Coriolis flow sensors
tekVorx Vortex Multivariable flow sensors
tekMass Multivariable Thermal mass flow sensors type TMS
tekPO-O Oval Gear positive displacement flow sensors
tekVar Variable Area Flow Sensors

特弗洛传感器范围：

tekProbe 平均特弗洛
tekMag 电磁流量传感器
tekCor 多变量科里奥质量传感器
tekVorx 旋涡多变量流量传感器
tekMass 多变量质量流量传感器
tekPO-O 椭圆齿轮流量传感器
tekVar 可变面积流量传感器

tekflo sensors COMPREHENSIVE RANGE

tekProbe
Averaging Pitots

tekflo manufactures the most comprehensive range of averaging Pitots to cover more applications from clean to very dirty gases, liquids, saturated or superheated steam, as well as air in large rectangular or circular ducts with limited straight runs. They measure differential pressure to infer flow, in accordance with classical Bernoulli Theory. To be noted is Bernoulli Theory assumes a true static pressure. Only tekProbe PR3 for high accuracy multivariable applications accomplishes this!

tekMag
Magnetic flow sensors

tekMag technology has made it possible to offer one of the most exciting range of magnetic flow sensors available from one company. With a large magnetizing current, high exciter frequency, coupled with low power consumption, the TekMags have high magnitude signal: noise ratio. Permanent coatings on the liner and electrodes, such as greasy raw sewage, calcium carbonate, have virtually no effect on performance.
The low power feature has enabled battery/solar driven high quality magnetic flow sensors to sizes as large as 600mm (24H), which was not possible just a few years ago.

tekCor
Multivariable Coriolis flow sensors

tekflo engineers pioneered vibrating tube density meters in early 1970s, which later evolved into what are now known as Coriolis flow sensors. The result of this experience makes the tekCor range probably the most exciting advance in Coriolis mass flow and density sensing in terms of small size capability, the ultimate in accuracy, vibration insensitivity, and all at a low cost. It is truly a multi-variable sensor, providing outputs in terms of mass flow, volumetric flow, density, temperature, and concentration of a 2-component liquid.

tekVorx
Vortex Multivariable flow sensors

The tekVorx embodies a robust, highly reactive sensor, which is virtually immune to vibration. This detects the frequency of the media vortices efficiently generated by a low pressure loss bluff body. This frequency is processed in remote or integral electronics.

tekMass
Multivariable Thermal mass flow sensors type TMS

The patented tekMass TM3 is designed for the bi-directional mass flow measurement of gases, where temperature and pressure are not required to compensate the sensing. tekMass embodies a heated sensor and a reference sensor. The power required to maintain the temperature differential of the sensors is a measurement of the mass flow rate of the gas. tekMass embodies a patented control of the reference sensor temperature, which also allows the highest media temperature option available.

tekPO-O
Oval Gear positive displacement flow sensors

tekMass has the largest mass and volumetric flow ranges available. These are from 0.35 kg/h (0.8 Ib/h) to over 12 million kg/h (26 million Ib/h).
The tekPD-0 series is a comprehensive range of positive displacement sensors, which indicate the rate and volumetric flow of low and very high-viscosity liquids. All tekPD-0 sensors are provided with a Calibration Certificate traceable to the Singapore Standards Productivity and Innovation Board (SPRING), German Technisches Uberwachungs Verein (TUV) and USA National Institute of Standards and Technology (NIST).

tekVar
Variable Area Flow Sensors

The tekVar series is a comprehensive range of variable area flow sensors, which indicate the flow rate of gases and low viscosHy liquids. Although simple in construction and low in cost, all tekVar sensors are provided with a USA NIST traceable Calibration Certificate, and are manufactured with ISO 9001 quality guarantee.

特弗洛传感器系列

tekProbe
平均特弗洛

tekflo 制造最全面的平均皮托管，涵盖从洁净到非常脏的气体，液体，饱和或过热蒸汽的更多应用，以及直径有限的大型矩形或圆形管道中的空气。根据经典伯努利理论测量差压推断流量。要注意的是伯努利理论假定真正的静态压力。只有 tekProbe PR3 才能实现高精度多变量应用！

tekMag
电磁流量传感器

tekMag 技术可以提供最令人兴奋的电磁流量传感器。具有大的磁化电流，高激励频率，低功耗，TekMags 具有高幅度信号: 噪声比。衬里和电极上的永久涂层，如油污原污水，碳酸钙，对性能几乎没有影响。
低功耗特性使得电池 / 太阳能驱动的高质量磁流量传感器的尺寸可以达到 600mm（24H），这在几年前是不可能的。

tekCor
多变量科里奥质量传感器

tekflo 工程师在 20 世纪 70 年代初开创了振动管密度计，后来演变成现在称为科里奥质量传感器。这种经验的结果使得 tekCor 的范围可能是科里奥质量流量计和密度测量在最小的尺寸能力，最终的精度，无振动性以及低成本方面最令人兴奋的进步。它是真正的多变量传感器，在质量流量，体积流量，密度，温度和双组分液体的浓度方面提供信号输出。

tekVorx
旋涡多变量流量传感器

tekVorx 体现了一种强大的，快速响应的传感器，其几乎不受振动的影响。这可以检测由低压损失非流线体有效产生的介质旋涡的频率。该频率信号在远程或整体电子元件中处理。

tekMass
多变量质量流量传感器

具有专利的 tekMass TM3 设计用于气体的双向质量流量测量，不需要温度和压力补偿。 tekMass 体现了一个加热传感器和一个参考传感器。维持传感器温差所需的功率是测量气体的质量流量。tekMass 体现了参考传感器温度的专利控制，也可以提供最高的介质温度选项。

tekPO-O
椭圆齿轮流量传感器

tekMass 具有最大的质量和体积流量范围。0.35 kg / h（0.8 lb / h）至超过 1200 万 kg / h（2600 万磅 / 小时）。
tekPD-0 系列是一系列全面的正位移传感器，用于测量低流速和非常高粘度液体的速率和体积流量。所有 tekPD-0 传感器均提供可追溯到新加坡标准生产力与创新委员会（SPRING），德国技术研究所（UUVWACHUNG VERINE TUV）和美国国家标准与技术研究所（NIST）的校准证书。

tekVar
可变面积流量传感器

tekVar 系列是全系列的可变面积流量传感器，用于测量气体和低粘度液体的流量。虽然结构简单，成本低，但所有 tekVar 传感器都配有美国 NIST 可追溯校准证书，并具有 ISO 9001 质量保证。

特弗洛质量标准

从设计到生产，从测试到校准，新加坡代表了质量标准，其制造严格按照 ISO 9001 标准。液体，气体和油的校准设备具有国际可追溯性。AIL tekflo 的气体传感器提供了可追溯到美国国家标准和技术研究所（NIST）的校准证书以及英国认证服务（UKAS）可追溯性，tekflos 水和油校准可追溯到 NIST，新加坡标准生产力与创新委员会（SPRING）和德国技术委员会 Uberwachungs Verein（TUV）。高达 2000 mm（80M）的大型传感器可在独立的国际可追溯设施上进行校准。我们的许多 tekprobes 已经在英国中央发电局（CEGB）和英国考文垂大学科技园的火炬大厅的主要校准设施进行了验证。该设施经英国认证服务（UKAS）认证。

关于新加坡特弗洛传感器应用的详细信息
质量标签，你可以参考特弗洛传感器产品文档和
特弗洛传感器质量标准图。

The tekflo Lable.

From design to production and from testing to calibration, tekflo sensors Singapore represents a label of quality, where manufacture is in strict accordance with ISO 9001. Our calibration facilities for liquids, gases and oil are internationally traceable.
AIL tekflo's sensors on gas are provided with a Calibration Certificate traceable to the USA National Institute of Standards and Technology (NIST), as well as the United Kingdom Accreditation Service (UKAS) traceability, tekflos water and oil calibrations are traceable to NIST, the Singapore Standards Productivity and Innovation Board (SPRING), and German Technisches Uberwachungs Verein (TUV). Large sensors up to 2000 mm (80M) are calibrated on independent internationally traceable facilities. Many of our tekprobes have been verified at the UK Central Electricity Generating Board (CEGB) at their primary calibration facility at Hams Hall, Coventry University Technology Park, England. This facility is certified by the UK Accreditation Service (UKAS).

For detailed information about the application of tekflo sensors Singapore Quality Lable,you may refer to tekflo sensors Product documentation and tekflo sensors Quality Lable Chart.