

Media Release

Kistler's Signal Conditioning Platform: Now on the Network Increased Flexibility for High-Speed Combustion Analysis

Winterthur, 26 November 2015 – Kistler is launching a new and improved Signal Conditioning Platform (SCP) that ensures process reliability and enables early detection of unsafe operating conditions in fixed or mobile combustion analysis applications.

For over 50 years, Kistler's innovative solutions for high-precision combustion analysis have ensured the firm's leading position in the global market. With new Ethernet options and an improved software interface, Kistler's new SCP for high-speed combustion analysis centralizes equipment configuration and optimizes usability for maximum flexibility.

Flexible System with Centralized Control

Kistler's network-compatible SCP can be equipped with application-specific measuring modules to accomplish various measuring tasks. The new platform allows virtual linkage of the systems deployed, so all SCPs can be operated from one centrally controlled PC. Thomas Kley, Kistler's Product Manager in the Engine R&D Strategic Business Field, emphasizes the high flexibility and usability of this newly developed product: 'A host of user-friendly functions position the new SCP on the market as a powerfully attractive combustion analysis system.'

Intuitive GUI for Simple and Quick Data Handling

The SCP's GUI provides an overview of all key data, such as measuring module configurations, sensor data and operating times, so that all changes can be made on a single screen. An 'Export' function converts the data into various formats to document all the measurement settings. Cylinder peak pressure histograms for each sensor can be created at the click of a button while users can immediately detect sensor load and strain, as well as any irregularities.

Real-Time Monitoring for Early Detection of Unsafe Operating Conditions

A CAN bus interface allows for the digital capture and real-time monitoring of cylinder peak pressures in addition to the operating temperature of low pressure piezoresistive sensors. This data allows users to immediately recognize engine or equipment damaging events and take corrective action, thereby avoiding unsafe operating conditions.

Kistler PiezoSmart® Sensors Ensure Process Reliability

PiezoSmart® guarantees the correct allocation of sensor data as errors caused by manual data handling can be eliminated and preparation effort is reduced to the minimum. PiezoSmart® allows historical monitoring and an assessment of an existing sensor portfolio.

Two versions of Kistler's new SCP are available. The Type 2853B model (8 slots or 16 channels) is suitable for engine indication on the test bench. SCP Slim Type 2852B (with 2 slots or 4 channels) is suitable for both mobile and test bench applications. For existing SCPs (Kistler Type 2853A), Kistler offers Type 5615BFK and 5615BRK Upgrade Kits for retrofit.

Kistler Group

Eulachstrasse 22
8408 Winterthur
Switzerland

Tel. +41 52 224 11 11
Fax +41 52 224 14 14
info@kistler.com

ZKB Winterthur BC 732
Swift: ZKBKCHZZ80A
Account: 1132-0374.628

IBAN: CH67 0070 0113 2003 7462 8
VAT no.: 229 713
ISO 9001 certified

www.kistler.com

For an overview of all supported measurands and additional product information, visit our product page at www.kistler.com/scp.



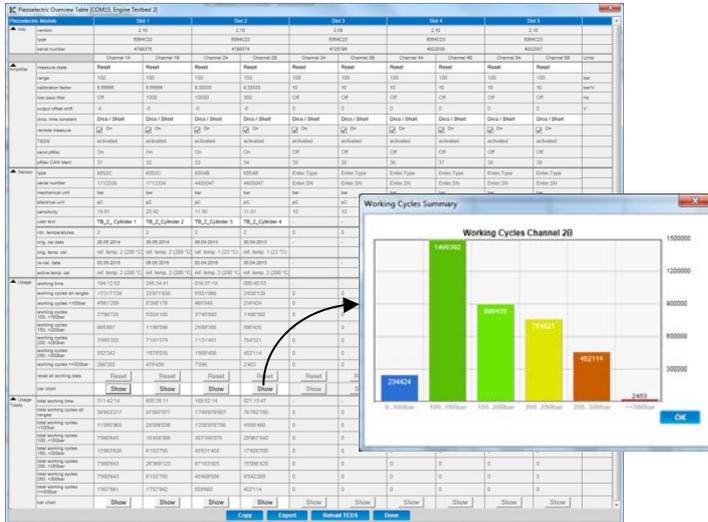
Kistler SCP Type 2853B



Kistler SCP Slim Type 2852B

Captions images 1 and 2: Kistler's flexible Signal Conditioning Platform (SCP) can be equipped with various measuring modules each intended for specific high-speed applications, delivering precise results in either fixed or mobile high-speed combustion analysis applications.

960-323e-11.15



Caption image 3: The Kistler SCP's GUI provides an overview of all key data, such as measuring module configurations, sensor data and operating times, and all changes can be made on a single screen. Cylinder peak pressure histograms for each sensor can also be displayed in the GUI at the touch of a button.

User Contact

Thomas Kley
Product Manager Engine R&D
Phone +41 52 2241 364
Email: thomas.kley@kistler.com

Media Contact

Lisa Glatz
Divisional Marketing Manager ART
Phone +41 52 224 12 31
Email: lisa.glatz@kistler.com

About the Kistler Group

The Swiss-based Kistler Group is one of the world's leading providers of dynamic technology for measuring pressure, force, torque, and acceleration. Kistler technology is used to analyze physical processes, control industrial processes, and optimize product quality.

Kistler offers a comprehensive range of sensors, electronics, and systems for engine development, automotive engineering, plastics processing, metalworking, assembly engineering and biomechanics.

Thanks to its 30 Sales and Production Centers, three Tech Centers, as well as more than 30 agencies, the Group is present on every continent. This allows customers to benefit from local contacts, as well as application support tailored to their needs.

The Kistler Group employs 1,400 people and, in the 2014 financial year, achieved sales of CHF 319 million.

Kistler Group

Eulachstrasse 22
8408 Winterthur
Switzerland

Tel. +41 52 224 11 11
Fax +41 52 224 14 14
info@kistler.com

ZKB Winterthur BC 732
Swift: ZKBKCHZ80A
Account: 1132-0374.628

IBAN: CH67 0070 0113 2003 7462 8
VAT no.: 229 713
ISO 9001 certified