

ANDILOG NEWS 4

News on force and torque measuring instruments for industry - April 2007

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ANDILOG an ISO 9001 V2000 certified company

Graphic digital force gauge: the Centor Star calculates the characteristic points of a curve for you

Thanks to its digital functions, the Centor Star digital force gauges makes real-time calculations and displays of the curve's maximum and specific points such as breaking load, trigger force, force at a given moment, average force in a time-window, first peak, etc.

The following new features are also available now:

- Maximum force in a time window:
 for setting a time range during a test, calculating the maximum force in the range and memorising the maximum attained during the test at the same time.
- Time value for maximum traction or compression loads:
 indicates the moment (in seconds) when maximum traction or compression force has been attained.
- Average force throughout the test.

The 'limit' function can be set for comparing the results given with predefined values and carrying out an OK/not OK test.

And of course all the results are stored (with a capacity of 100 tests), which enables statistical calculations, averages and standard variations to be made on maximum values and on given calculations. The ensuing table of values can then be transferred to a PC together with the times and dates of the measurement operations.

➤ **Preview presentation at the Control 2007 exhibition, May 8th – 11th 2007.**

NB: The ANDIDOOR version has also been modified to include dynamic time calculations in measuring automatic door closing systems.

For further details, visit our site: www.andilog.com or note **70401** on your request for documentation.



Working together with researchers:

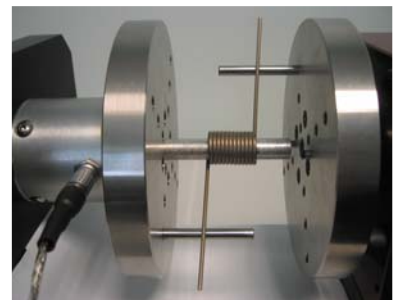
Today, accurately characterising physical phenomena for improving performances in materials, production processes and products is a major research objective in many different fields.

This quest requires tools that are not only reliable and accurate, but also adaptable and easy-to-use for carrying out tests in a wide range of different configurations.

However, it is by pooling information that relevant and efficient test protocols can be finalised: an exchange between the ANDILOG team's practical experience in measuring applications and the specific knowledge of research scientists in their own fields.

This spirit of cooperation has resulted in extremely interesting achievements, such as:

- Characterising the quality of fish flesh (INRA, Rennes, simple texture measurement),
- Final development of algorithms for calculating torsion springs (INSA, Toulouse, a thesis for a doctorate diploma in collaboration with Schneider Electric),
- Understanding the aging process of metals through studying the mechanism of the bands, Poitevin Le Chatelier (Paris X University, SEEE laboratory, Centor Dual tensile strength tester) an analysis that won the Hauts de Seine District Council award for scientific interest in the context of academic/industrial cooperation.



To contact the research scientists in charge of these projects, note **70400** on your request for documentation.

Bottle opening torque: A complete range for all requirements

The ANDITORK family is a unique set of torquemeters. From the simplest to the most sophisticated version, these instruments combine sturdiness with accuracy and enable manufacturers to check unscrewing torques on their containers during production and give their end customers a sound product in systematically perfect packaging.

The bestseller:

the Anditork Easy is the most popular model with its threshold functions and its capabilities of communication with PCs and printers.



Note 70422
on your request for documentation.

The simplest:

the Anditork First: the essential tool for filling lines, simple and sturdy, an excellent quality-to-price ratio.



Note 70424
on your request for documentation.

For safety closing systems:

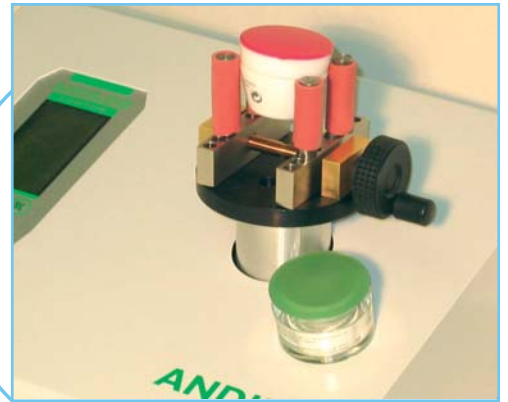
the Anditork security is supplied with a torque and load sensor in a compact housing for checking child-safety caps.

Note 70426
on your request for documentation.



The most complete:

Curve trace, security ring break and opening torque calculations, the Anditork Star can be connected to several torque sensors and is the ideal instrument for laboratory validation, thanks to all the integrated functions in its measuring electronics.



Note 70423 on your request for documentation.

The power-driven unit:

For industrial production runs, the DRIVETORK is a power-driven unit that operates without outside assistance. The system now includes torque and angle read-out for the most stringent tests.



Note 70425
on your request for documentation.

 Preview presentation at the Control 2007 exhibition, May 8th – 11th 2007.

Ergokit: Essential for studying efforts at workstations

A simple yet robust Force gauge (capable of accepting twice its nominal capacity without damage), a compact carrying case, a set of accessories suitable for every situation encountered at workstations: pulling, pushing, pressing with a finger or a hand, lifting, etc. With a neck strap for maximum comfort and ease of use, the Ergokit is the ideal tool for ergonomists and IPCA wishing to check physical efforts made by operators at their workstations.



NB: Every Ergokit is calibrated before delivery and supplied with the corresponding certificate.

➔ **Preview presentation at the Control 2007 exhibition, May 8th – 11th 2007.**

For further details, visit our site: www.andilog.com or note **70403** on your request for documentation.

Extractor II: cork extraction force

The Extractor II unit is a simple yet practical system for testing the force required for extracting corks from bottles. Fitted with all the accessories needed for holding the bottle and supplied with a "cork-screw" in compliance with the cork-makers' chart, Extractor II is the ideal compact test stand for carrying out tests at the cork-makers' or in bottling plants. It measures forces up to 500N and can be equipped with information transfer software for safeguarding results on a PC (optional).



For further details, visit our site: www.andilog.com or note **70404** on your request for documentation.

Wiretest II: crimping strength testing

The WIRETEST II test stand has been designed for checking the quality of crimped connections. A successful crimping operation depends on the quality of the crimping tools and correct settings on the crimping machine. These parameters change during production, and they need to be checked regularly.

Measuring connection pull-off force is a simple rapid measurement and highly representative of the quality of crimping.

Numerous aeronautic, automobile and rail standards define test conditions: minimum force allowed depending on the cable diameter, pulling speed etc.

The WIRETEST II combines all these conditions. The operator can configure pulling speeds, return speed and automatic return to the starting position on his control panel. The tensile strength tester displays the current values and the pull-off force. Results can be stored (capacity of 100 values) and be transferred to a PC.

Designed to be used in a production environment, the WIRETEST II is a guarantee for trouble-free cabling.

Maximum strength 1000N, traverse movement 200mm, maximum sample length 300mm, supplied with a carousel for terminals and an eccentric, or jaw optional.



For further details, visit our site: www.andilog.com or note **70405** on your request for documentation.

Dynamic torque measurement: a new range of sensors


The DT collector ring dynamic torque sensor completes the range of ANDILOG torque gauges. Connected to Centor display units, they are the fruit of 20 years' tried and tested technological experience in force and torque measuring on industrial applications.

The range includes six models from 6 NM to 500 NM. Accuracy is to 0.5% of full range and they can be used on shafts rotating at speeds of up to 3000 RPM.

The maximum operating temperature is 50°C.

Available capacities:

6 NM, 12 NM, 25 NM, 60 NM, 150 NM, 500 NM.

 Preview presentation at the Control 2007 exhibition, May 8th – 11th 2007.

For further details, visit our site: www.andilog.com or note **70406** on your request for documentation.



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EmergencyBox

Intended for design offices making test stands, this box calls on the capabilities of Centorforce gauge and torque-gauges for guaranteeing safety on test-installations. By actuating the threshold function, the box directly cuts off the 220V supply whenever a predetermined load or torque level is attained. For ease of use, the unit is fitted with a light that displays its' status.

It is a simply accessory that widens even more the Centor range's possible applications.



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