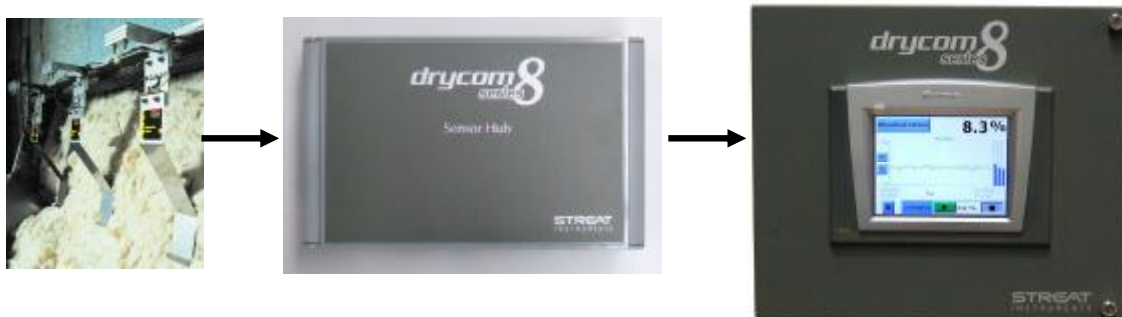


DRYCOM 8 Series On-Line Moisture Measurement & Control System

The Streat DRYCOM 8 Series product range is the latest generation of the proven DRYCOM product range. The features and functions built into the system are the result of the experience gained in Moisture Measurement and Control since the first DRYCOM system was released in the early 1980's and customer feedback.

The DRYCOM 8 Series is a modular system comprising:

- S Moisture Sensors** (up to three)
Either from our standard range of sensors or custom built to suit the particular application
- S Sensor Hub**
The Sensor Hub is normally located close to the Moisture Sensors. It collects the moisture information from up to three Moisture Sensors, processes this information and then transmits all Moisture Data to the Touch-Screen Unit.
- S Touch-Screen Unit**
The colour Touch-Screen provides an intuitive and easy to understand operator interface. The Touch-Screen can be mounted remotely from the Sensor Hub (eg in Control Room) if required.



This modularity makes the system very flexible so it can cater for a wide range of applications to meet our customer's specific requirements.

The DRYCOM 8 Series uses the latest technology including the latest input and processing circuitry to provide optimum measurement accuracy over the full range of moisture contents for each product type.

A wide range of connectivity options are available to allow connection to Plant Monitoring and SCADA systems

All system parts are designed for use in harsh industrial environments and are suitable for in-plant mounting.

The DRYCOM 8 Series Moisture Measurement Systems are precision instruments designed to provide accurate on-line measurement of moisture for a wide range of product types.

The DRYCOM Series 8 Touch-Screen has an inbuilt PLC which can be configured to provide full moisture control of a dryer, moisture addition systems etc.

The DRYCOM Moisture Controller provides for precise moisture control and has multiple control modes available to ensure the best control for each application.

The DRYCOM 8 Series provides:

- S** Ease of configuration for different applications
- S** Optimum measurement accuracy over the full range of moisture content for each product type..
- S** Integrated control options for Dryer (Dryer Energy Control or Dryer Speed Control) and Spray Control
- S** Improved connectivity to plant wiring
- S** Improved connectivity to plant management systems

DRYCOM 8 Series Installation on Loose Wool Dryer



Moisture Sensors

**Sensor Hub
(Touchscreen mounted
behind)**



Touchscreen (Sensor Hub mounted behind)

DRYCOM 8 Series - Moisture Measurement System Specifications

- S** One, two or three moisture sensors (suitable for both narrow and wide processing lines).
- S** Typical accuracy of $\pm 1\%$ or better (for a moisture range of 0 to 30%).
- S** Measuring range from a Lower limit of 0%, to user selectable Upper limit (eg. in loose wool the range is 0 to 30% Moisture Content, in loose cotton the range is 0 to 20%)
- S** Up to 20 calibrations for different product types (can be expanded on request).
- S** Wide range of Moisture Sensors available for a variety of applications, sensors may be designed for your specific requirements.
- S** Expandable to full control system.

DRYCOM 8 Series - Moisture Control System Specifications

- S** Versatile intelligent controller which incorporates 25 years of experience in dryer control.
- S** Provides enhanced control of start-ups, batch changes, stoppages, different materials and dryer loading.
- S** Multiple 'recipe' selection enabling optimum processing of different products, dryer loadings, etc.
- S** Dryer Control by Energy (Temperature) or Speed control.
- S** Independent control of two dryer zones if necessary (Energy control mode only).
- S** Enhanced Energy control modes (cascade control) available.

DRYCOM 8 Series – Touch-Screen Specifications

- S** Touch-Screen is a TFT LCD, 256 Colour, 5.7" unit with built-in PLC
- S** The 256-color Touch-Screen HMI enables the display of colour-coded operator instructions and attention-grabbing alarm screens.
It can also display graphs according to historical values—to reflect trends of recorded data.
- S** Numerous communications options available including:
 - TCP/IP Ethernet
 - GSM/SMS
 - MODBUS RTU
 - CANbus
 - Remote access for data acquisition and program download
- S** PLC modules and software available for all Moisture Control System requirements:
 - Dryer Speed Control
 - Dryer Energy Control (multi-zone control and Cascade Control available)
 - Moisture Spray Control
- S** Fully customisable for special applications and requirements
- S** Operator selectable alarm limits for high and low moisture
- S** Built-in diagnostic functions.
- S** Security facilities to prevent unauthorised staff changing critical settings.
- S** IP65 rated for operation in industrial conditions.
- S** Typical environment 0 to 40°C, 0 to 95% RH (non-condensing).
- S** Universal power supply for 100 to 260 volt, 50 or 60 Hz operation.
Power consumption = 30 watts

DRYCOM 8 Series – Physical Specifications

- S Sensor Hub**
 - Size (mm): 280 (W) x 170 (H) x 90 (D)
 - Weight: 2.5 kg
- S Touch-Screen**
 - Size (mm): 330 (W) x 280 (H) x 130 (D)
 - Weight: 4.4 kg

Streat Instruments are committed to supplying the Textile Industry with quality instruments to improve profitability, production and quality.

Streat Instruments have over 500 installations in more than 40 countries and have a comprehensive international support network.

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