PCNose+®

Advanced Chemometric Software for the Cyranose® 320

Sensigent
Intelligent Sensing Solutions

PCNose+ and the Cyranose® 320 now provide powerful new data-processing and algorithm capabilities that can help you accurately perform on-site analysis.

The PCNose+ software works with upgraded firmware in the Cyranose 320 to add Support Vector Machines to the algorithm selections available. Support Vector Machines are a recently developed class of algorithms that can offer significant advantages in classifying components and complex mixtures.

Support Vector Machine Features:

- Do not produce local minima
- Less susceptible to over-fitting data
- Are computationally efficient

Other new features include Importance Index Weighting data processing and Single Class identification algorithm.

Importance Index Weighting automatically gives a configurable higher weighting to sensors that provide more feature data for a particular problem. In many cases this can significantly enhance performance.

Single Class classification can save training time by allowing the identification of an unknown component without requiring the Cyranose 320 to be trained against other potential components.

Note: The PCNose+ software requires a factory upgrade to the Cyranose 320 firmware

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