

Adaptive Control System Specification

Components	Available (yes/no)
Expert System	yes
Crisp Rules	yes
Syntax Checking	yes
On-line editing	yes
Search capabilities	yes
Grouping into functional groups	yes
Three dimensional crisp response graphing tool	yes
Rule invocation tracking	yes
Fuzzy Rules	yes
Syntax Checking	yes
On-line editing	yes
Search capabilities	yes
Grouping into functional groups	yes
Three dimensional fuzzy response graphing tool	yes
Rule invocation tracking	yes
Fuzzy Sets	yes
On-line editing	yes
Graphical interface	yes
Drag and drop functionality	yes
Neural Network Models	yes
Unlimited Models	yes
Distributed computing over a client network	yes
User configurable nodes	yes
User configurable layers	yes
User configurable activation function	yes
User configurable training algorithms	yes
On-line editing	yes
Real-time data collection	yes
Cluster theory data storage as well as flat data storage	yes
Rule based data collection filtering	yes
Graphical representation of network topology	yes
Training, testing and prediction can be run together or separately	yes
Real-time predictive capabilities	yes
Ability to plot model predictions on graphical trends together with process values	yes
Multiple concurrent models predicting the same parameter	yes
Can train on historical data	yes
Can train on real-time data	yes
Optimizer	yes
Genetic algorithm	yes
Distributed computing over a client network	yes
User defined fitness function	yes
User defined dynamic search space	yes
Multiple parameter optimization	yes
Can be used with multiple models	yes
User configurable crossover and mutation parameters	yes
Report Writer	yes

Customized reports include the following components	yes
Rules	yes
Attributes	yes
Nodes	yes
Trends	yes
Tables	yes
Data Servers	yes
Neural Network Models	yes
Optimizers	yes
Scheduled Reports	yes
Email option	yes
RTF output	yes
Plain Text Output	yes
HTML output	yes
Fixed format output	yes
Configuration Tools	yes
Graphical Interface	yes
Templates	yes
Drag and drop functionality	yes
Access to all software features from central location	yes
User Interface	yes
Multiple input 2-d trends	yes
Configurable value tables	yes
User configurable action logs	yes
3-d plotting of process data	yes
Remote Access	yes
Internet VPN client capable	yes
Dial up modem remote access	yes