



AUTOPILOT SAP2000LC SYSTEM SPECIFICATIONS

Description of differences compared to standard SAP2000 system

INTRODUCTION

This system configuration reduces the SAP2000 system to its basic components. The general functionality is identical to the SAP2000 Mileage-PID system. Some mechanical, electrical and software features are not available in that configuration.

Special Features:

- Same general functionality as SAP2000 Mileage PID system
- Same safety features
- Software upgraded are available
- Some options of the SAP2000 series are available.

System restrictions

Software

- Control level: MILEAGE-PID
- Application level: **BASIC** with following restrictions compared to FULL version:
 - NO auxiliary analog input monitoring
 - NO offline graphics
 - NO cycle data acquisition
 - NO Manual Set-point mode
 - NO Drive cycle line editor (only regular drive cycle table editor)
 - NO HOLD/PARK/RESUME Toolbar buttons
 - NO Online driving tolerance monitoring & listbox
 - NO MAP tables available within shift table definitions

Electrical restrictions

- Requires analog input signal for vehicle speed
- Requires analog input signal for vehicle engine RPM
- NO build in SmartTach for vehicle speed measurement
- NO build in SmartTach for vehicle engine RPM speed measurement
- NO engine speed pick up sensor supplied with the system
- NO cable for engine speed sensor
- NO analog output signals for actuator axis positions
- NO analog output signals for forces

Mechanical restrictions

- “One-Block” actuator unit: For special cases, the pedal actuator unit can be splitted (separated) from the seat plate & shift arm unit (total weight: app. 30 kg)
- Shift arm: Different adaptations sleeves instead of adjustable adapter for shift lever
- diameter
- Shift arm: regular height: “Elbow” of linkage for shift lever is in height level of shift lever (standard system has extended height to have more space for parking brake and arm rest)
The shift arm of the standard SAP2000 is 50 mm higher in order to avoid eventual collisions with the console / arm rest of the vehicle
- No swivel plate for position height & angle adjustment below seat plane
- NO status indicator bulbs at actuator unit
- NO connection for optional shift force measurement / sensor
- NO ESTOP button at actuator unit

General restrictions

- NO monitor in basic system package
- NO keyboard & mouse in basic system package

Options

- Upgrade of speed control version to MILEAGE or EMISSION
- Stand-alone SmartTach and engine speed tachs
- Keyboys for operation of ignition key / button