

Production of Ketene through pyrolysis of Acetic acid



GAM 300

- **GAM 300** proved itself in that very sophisticated application
- calibration: very reproducible (important, because very expensive!)
- production: **GAM 300** was integrated into the production process to have on-line control

Gas matrix:

component	M g/mol	in pressure: 0.55 bar abs. temp.: 610°C mass-%	out pressure: 0.3 bar abs. temp.: 720°C mass-%	off gas mass-%	comment
Methane	16	---	0-3	0-5	standard calibration
Water	18	2-8	25-33	---	spec. calibration
CO	28	---	0-3	2-7	standard calibration
Ethylene	28	---	0-3	2-7	standard calibration
Allene	40	---	---	0-2	spec. calibration
Ketene	42	---	50-60	balance	spec. calibration
CO ₂	44	---	1-5	10-15	standard calibration
Acetic acid	60	90-97	10-15	---	spec. calibration
Diketene	84	---	1-5	---	spec. calibration
Acetic acid anhydride	102	---	1-5	---	spec. calibration
TEP	182	0-2	---	---	spec. calibration
C2		---	0-2	---	calibration gas available
C3		---	0-2	---	calibration gas available
H ₂		---	0-2	---	calibration gas available
???		---	0-2	---	