

## Leveringsprogramma LAR Process Analysers AG

LAR Process Analysers			Primary Specifications			In combination with				
Type	Oxygen Demand Methods For waste water applications	Model	Response (min)	Min. (mg/l)	Max. (mg/l)	TC	TOC	COD	TNb	TP
BOD analyser	Rapid BOD with use of active sludge	Biomonitor	5 - 90	1	50.000					
Respiration analyser	Cascade respiration by use of active sludge	Biomonitor	5 - 90	~	~					
Sludge Health Monitor	Cascade respiration by use of active sludge	Biomonitor	5 - 90	~	~					
Toxicity analyser	Toxicity by use of active with sludge	Biomonitor	5 - 90	~	~					
COD analyser	Electrochemical with OH-radical oxidation	ELOX-100	6-12	1	100.000					
COD analyser	Total Oxygen Demand thermal oxidation and by use of robot	Quick-COD-o	3	10	10.000	yes	yes		Yes	
Type	Total Organic Carbon Methods for waste water applications	Model	Response (min)	Min. (mg/l)	Max. (mg/l)	TC	TOC	COD	TNb	TP
TC-analyser	Total Carbon analyser with thermal oxidation and by use of a robot	Quick-TOC TC-only	3	10	100.000			yes	yes	
TOC-analyser; direct TOC	Total Organic Carbon Analyser with thermal oxidation and by use of a robot	Quick-TOC-direct	4	10	100.000					
TOC-analyser; differential TC, TIC and TOC analyser	Total Organic Carbon Analyser with thermal oxidation and by use of a robot	Quick-TOC differential;	5	10	100.000			Yes	yes	
TOC-analyser for DOC waste water	Total Organic Carbon analyser for dissolved organic carbon (non particulate) waste water. Continuous measurement via UV-persulphate oxidation	Quick-TOC-UV	10 -20	1	5000					
TOC-analyser for effluent and cooling water	Total Organic Carbon analyser for effluent water and cooling water with loop injection and thermal oxidation	Quick-TOC-effluent	5,5	0,1	200				yes	
Type	Total Nitrogen and total Phosphorous Methods for waste water applications	Model	Response (min)	Min. (mg/l)	Max. (mg/l)	TC	TOC	COD	TNb	TP
TNb analyser	Total Nitrogen analyser via thermal oxidation and by use of a robot. Measurement via Chemoluminescence or electrochemical NO(x)	Quick-TNb	3	0,1	1000		Yes	Yes		Yes
TP-analyser	Total Phosphorous analyser via loop injection and UV-digester photometric	Quick-TP	5 - 10	0,1	35		Yes		Yes	
TNP-analyser	Total Nitrogen and total Phosphorus analyser	Quick-TNP	5-10	0,1	35				Yes	Yes
TNPC-analyser	Total Nitrogen, total phosphorus and TOC analyser	Quick-TNPC	~	~	~		yes		Yes	Yes
Type	Total Organic Carbon Methods for pure water applications	Model	Response (min)	Min. (mg/l)	Max. (mg/l)	TC	TOC	COD	TNb	TP
TOC-analyser for purity water	Total Organic Carbon analyser for purity water with multiple loop injection and thermal oxidation	Quick-TOC-purity; direct method	6 - 8	0,005	50					
TC or TOC-analyser for condensate	Total Carbon or Total Organic Carbon analyser for condensate water with multiple loop injection and thermal oxidation and gas validation	Quick-TOC-condensate	3-5	0,01	50					
TC or TOC-analyser for clean water, cooling water	Total Carbon or Total Organic Carbon analyser for clean water, condensate water with multiple loop injection and thermal oxidation	Quick-TOC-effluent	3 - 5	0,1	200					