

Always there for you Contact HACH LANGE

With a phone call or a click on the Internet, you are always one step away from HACH LANGE. We can provide technical advice, recycle your used reagents or process your orders. You can find us on the Internet day and night for the latest downloads, online ordering and data sheets. We are always happy to hear from you!



Contact us!

UK:

Tel: 0161 872 1487

info@hach-lange.co.uk

Fax: 0161 848 7324

Ireland:

Tel: 01 839 1555

info@hach-lange.ie

Fax: 01 806 3939

On the Internet

Welcome to HACH LANGE!
HACH LANGE is THE single-source supplier for complete water analysis - with individual, made-to-measure, economic, high quality, total solutions:

- Parameters for wastewater, drinking water, process water
- On-site and laboratory analysis, process analysis, samplers
- Municipal and industrial applications, research

HACH LANGE brings a new dimension to water analysis, based on a long tradition of excellence. The combination of Hach and Dr. Lange can draw on more than 120 years of experience of development, production and on-site applications. You, too, can benefit from our comprehensive range of products and services.

General English information site

HACH LANGE Europe

- Austria
- Belgium
- Bulgaria
- Czech Republic
- Denmark
- France
- Germany
- Italy
- Netherlands
- Poland
- Portugal
- Romania
- Slovakia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom

HACH US

- USA

HACH Asia

- China
- Republic of Korea

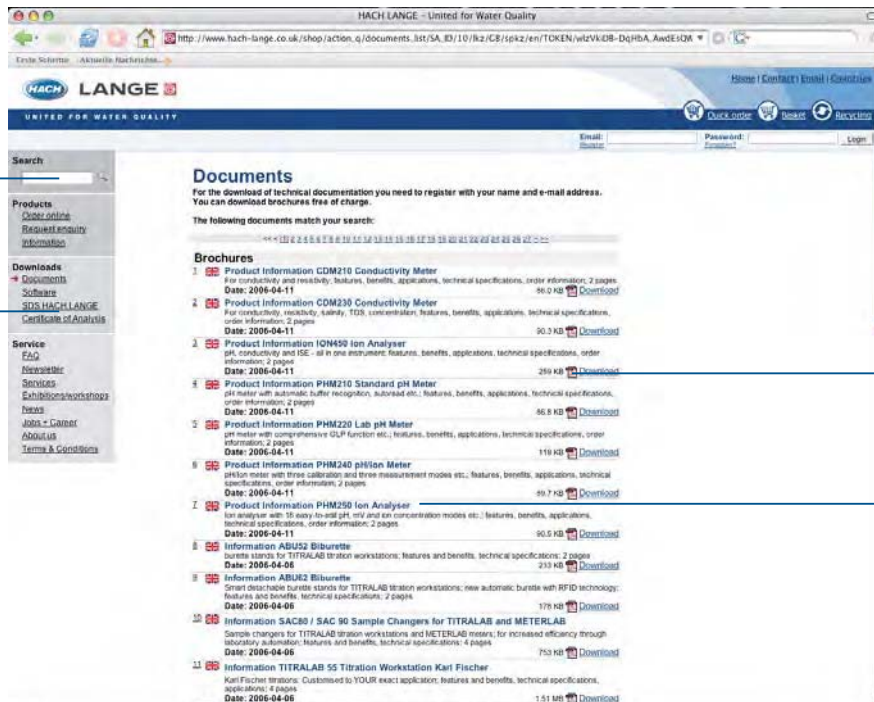
HACH LANGE distributors and other countries

You can find your HACH LANGE contacts worldwide, in lots of languages, at www.hach-lange.com.

Water analysis from HACH LANGE—wherever you are!

Just a click away: online information and ordering

Wide range of downloads



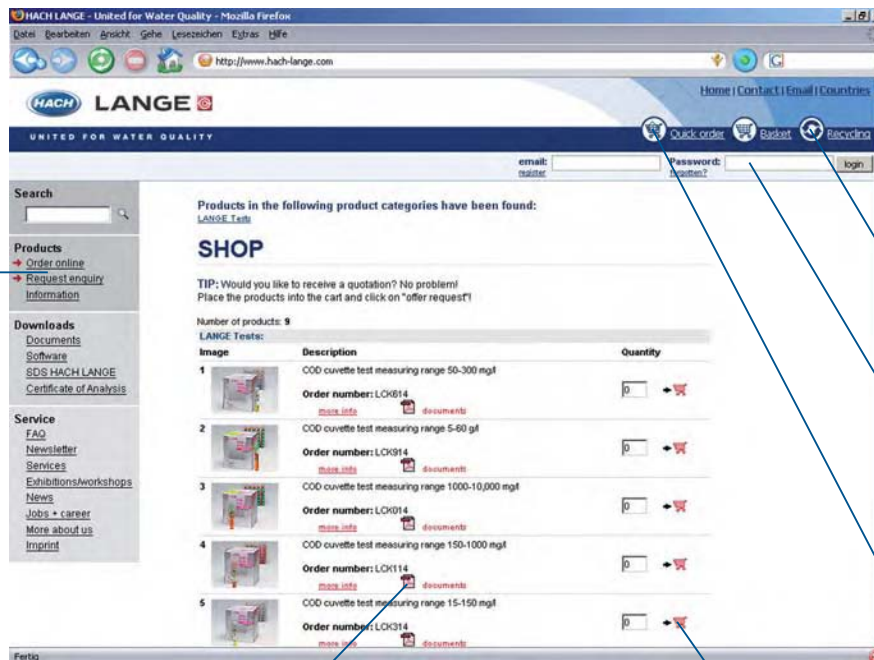
Easy-to-use search, with well organised list of hits

Safety data sheets and analysis certificates are directly accessible from the navigation list

All downloads are available free of charge

Well organised layout, with title, short description, file size and date

Order quickly and easily



Simple navigation

Request reagent recycling

Easy login

Contents of your shopping basket

Documents and accessories appropriate to each product

Choose your product and request a quotation

Parameter index

PARAMETER	PAGE(S)
A Acid	141
Acid capacity KS 4.3	6, 10, 34-37, 41-45, 54-65
Acidity	14-15, 46-53, 54-65, 77
Alachlor	34-36, 54-65
Alcohol	34-37, 41-45
Alkalinity	10, 14-15, 46-65, 77, 86-87, 141
Aluminium	5, 8, 29-37, 41-53, 66-67, 89
Ammonium	4, 6-7, 10, 14-15, 29-37, 41-53, 54-67, 88-89, 121-127, 141, 145
Ammonium compounds, quaternary	34-36, 54-65
AOX	4, 6, 41-45, 34-37, 54-65, 67
Arsenic	4, 7, 11, 34-36, 46-65, 67
Atrazine	34-36, 54-65
B Barium	34-36, 54-65, 67
Benzotriazole	32-36, 54-65
Bitter units	11, 35-36, 41-45, 54-65
BOD	4, 6-7, 11, 34-37, 41-45, 54-65, 6, 68, 135
Boron	32-37, 41-45, 54-65
Bromine	5, 14-15, 29-36, 46-53, 54-65, 86-87
C Cadmium	32-37, 41-45, 54-67
Calcium	14-15, 46-53, 67
Carbon dioxide, gas	82
Carbonat/ Carbon dioxide	34-37, 41-45, 54-65, 77
Chloramine, mono Chloride	29-33, 54-65 5, 7, 10, 14-15, 34-37, 41-53, 54-67, 77, 80, 86-89, 141
Chloride	9, 29-37, 139-140
Chlorine dioxide	9, 29-37, 139-140
Chlorine, free	5, 8-11, 14-15, 29-36, 41-53, 54-65, 67, 77, 139-140
Chlorine, total	5, 8-11, 14-15, 29-36, 46-53, 54-65, 67, 77, 139-141
Chlorophyll	7, 14-15
Chromic acid baths	34-37, 54-65
Chromium	5, 7, 11, 14-15, 29-37, 41-53, 54-67, 89
Cobalt	34-36, 54-65, 67
COD	4, 6-7, 11, 32-37, 41-45, 54-67, 135, 138
Colour	14-15, 34-37, 46-65
Colour developer CD 2/3/4	34-37, 41-45
Colour scale	5, 11, 37
Conductivity	4, 6-11, 14-15, 18-28, 111, 114-115, 119-120, 145
Copper	5, 10-11, 14-15, 29-37, 41-53, 54-67
Copper baths, acidic	34-37, 41-45, 54-65

PARAMETER	PAGE(S)
Cyanide	6-7, 11, 32-37, 41-53, 54-65, 86-89, 141
Cyanuric acid	32-37, 46-53, 54-65
D DEHA	10, 32-33
Detergents	46-53
F Flow	6-7, 14-15, 142-143
Fluoride	7, 27, 29-37, 41-45, 54-65, 67, 141
Formaldehyde	11, 34-37, 41-53, 54-65
G Glutaraldehyde	46-53
Glycol	46-53
H Hardness, Ca + Mg	32-37, 41-53, 54-65, 67, 77
Hydrazine	10, 32-37, 46-53, 54-65
Hydrogen peroxide	34-37, 46-53, 65, 141
Hydrogen sulphide	82
Hypochlorite	46-53, 77
I Indigo	141
Iodine	5, 14-15, 34-36, 46-65
Iron	8-10, 14-15, 29-37, 41-53, 54-67, 77, 89
L Lead	29-31, 34-37, 41-45, 54-65, 66
Level	143
M Magnesium	34-37, 41-45, 53, 54-65
Manganese	14-15, 29-37, 46-53, 54-65, 67, 89
Menthol, distillate	34-36, 54-65
Mercury	34-36, 54-65, 67
Metals	4, 6-7, 11
Methane	82
Microbiology	5, 8-9, 14-15, 70-72
Moisture	82
Molybdenum	10, 14-15, 32-37, 41-53, 54-65, 67
Molybdate	29-36, 54-65
N Nickel	5, 11, 29-37, 41-45, 54-67
Nickel baths, acidic	34-37, 41-45, 54-65
Nitrate	4, 6-9, 14-15, 29-37, 41-53, 54-67, 88-89, 121-123, 128-130, 145
Nitrite	4, 10-11, 14-15, 32-37, 41-53, 54-67, 77, 88-89 130, 145
Nitrogen, total, Kjeldahl	11, 32-36, 54-65, 66
Nitrogen, total, TN	34-37, 41-45, 54-66, 83-85
Nitrogen, total, inorganic	4, 6-7, 32-37, 41-45, 54-66, 83-85, 90
O Organic acids	7, 32-36, 41-45, 54-65, 77
Oxygen binders	32-36, 46-53, 54-65, 77
Oxygen, dissolved	4, 6-7, 10-11, 14-15, 18-25, 29-36, 46-53, 54-65, 77, 116-120, 145
Oxygen, gas	82
Ozone	5, 8-9, 29-36, 41-53, 54-65, 139-140
P PCB	29-36, 54-65

PARAMETER	PAGE(S)
pH	4, 6-11, 18-28, 32-33, 46-53, 46-53, 54-65, 86-87, 111-113, 119-120, 145
Phenol	34-37, 41-53, 54-65
Phosphate	121-123, 131-134, 145
Phosphonate	10, 32-37, 46-53, 54-65
Phosphorus, total	4, 7-8, 10, 14-15, 32-37, 41-53, 54-67, 83-85, 90
Phosphorus, ortho	4, 6-8, 10, 14-15, 29-37, 41-53, 46-53, 54-67, 88
Photometric iodine sample	34-36, 54-65
Potassium	34-37, 41-45, 54-67
R Redox	4, 7, 11, 24-27, 111-113, 119-120, 145
Reducing agents for boiler water	34-37, 54-65
S SAC 254	4-9, 14-15, 135, 138, 145
Salinity	77
Silica	5, 10-11, 14-15, 29-37, 46-53, 54-65, 67, 89
Sludge activity	34-37, 41-45, 54-65
Sludge index	4, 6, 110
Sludge level	4, 6-7, 9, 109-110, 145
Sludge volume	4, 6, 110, 145
Silver	34-37, 41-45, 54-65, 67
Sodium	10, 141
Sodium hydroxide	141
Solids, suspended	4, 6-7, 9, 14-15, 32-37, 101-110, 134, 137, 145
Starch	34-37, 41-45, 54-65
Sulphate	5, 14-15, 29-37, 41-53, 54-67
Sulphide	14-15, 32-37, 46-53, 54-65, 141
Sulphite	14-15, 34-37, 46-53, 53, 54-65, 67, 77
Surfactants	6-7, 11, 34-37, 41-45, 54-65
T Tannin and lignin	32-36, 46-53, 54-65
Tin	34-37, 41-45, 65
TOC	4, 6-7, 10-11, 32-37, 41-45, 54-67, 83-85, 134, 135-138
Tolyltriazole	32-36, 54-65
Toxicity	6-7, 10, 29-36, 54-65, 72
TPH in water	29-36, 54-65
Trihalomethane	34-36, 54-65
Turbidity	4, 6-11, 14-15, 74-76, 101-108, 145
V Vicinal diketones	11, 34-36, 41-45, 54-65
W Water	87
determination, KF	
Water hardness	5, 8-11, 14-15, 67, 86-87, 141
Z Zinc	5, 29-37, 41-45, 65, 67

→ Black: Introduction

→ Blue: Laboratory analysis

→ Red: Process measurement technology

Product name index

NAME	DESCRIPTION	PAGE(S)
1200 S sc	Redox sensor	113, 120
1720E	Turbidity sensor	101, 104
2100N/AN/IS	Turbidimeter, Lab	73-74
2100P	Turbidimeter, portable	75
34XX sc	Conductivity sensors	115, 119
37XX sc	Conductivity sensor	115, 119
5740 sc	Oxygen sensor	120
8310-17, 8394	Conductivity sensors	119
8362 sc, 8350, 8416	pH sensors	120
8810	ISE, titration analyser	141
91XX sc	Chlorine, ozone sensors	139-140
A ACCUVAC	Test	43, 54-65
ADDISTA	Quality assurance	66
AMMON eco sc	NH ₄ ISE probe	121, 127
AMTAX	NH ₄ analysers	121, 124, 125, 126
AP 300 DISCRETE	Lab analyser	88
ARTI	Particle counter	101, 102
ASTROTOC	TOC analyser	136
B BART tests	Microbiology	71
BOD TRAK	BOD manometric	68
BÜHLER	Sampler	92, 94
C CADAS 200	Spectrophotometer	54-65, 78
CEL 800	Portable laboratories	39
CL17	Chlorine analyser	139-140
Colour disc	Colour comparison tests	42, 47-51
Colour cube	Colour comparison tests	42, 47-51
CRACK SET	Sample preparation	80
Cuvette test	LANGE cuvette tests	44-45, 54-65
D DATATRANS	Software	80
Digital titrator	Titration	43, 52, 77
Docking Station	Lab station turbidity	25
DOSICAP ZIP	Reagent cap	45
DPU414	Printer	81
DR 2400/2500/2800/5000	Spectrophotometer, tests	54-65
DR 2800	Spectrophotometer	29, 34-36, 78
DR 5000	Spectrophotometer	29, 34-36, 78
DR 820/850/890	Colorimeter	29, 32-33
DRB 200	Thermostat	79
DREL 2800	Portable laboratories	38
Drop count test	Titration	43, 47-51
E EVITA INSITU	N, P analysers	121, 127, 130, 131
EVITA OXY	Oxygen sensor	111, 118
F FILTERTRAK 660 sc	Turbidity sensor	101, 103
FILTRAX	In-situ filtration	134
G GANIMEDE	Automatic lab analyser	90
GFG POLYTECTOR	Gas monitor	82
H HACH standards	Quality assurance	67
HACH LINK	Software	80
HQD	Electrochemical meters	18-23, 28
HT 200S	Thermostat	79
I IL 500/530/550	TOC-TN analysers	84-85
TOC-TN		
INTELLICAL	Elektrodes, sensors	18-23
LASA	Spectrophotometer	54-65, 78
L LATON	TN cuvette test	54-65
LDO	Oxygen sensor/Oxygen sensor	18-23, 111, 117
LEICA	Microscopes	82
LICO 400	Spectrocolorimeter	37

NAME	DESCRIPTION	PAGE(S)
LT 200	Thermostat	79
LUMIS	Luminescent bacteria test	72
M MAGFLO	Flow meter	143
M COLI BLUE24	Microbiology	70
MEL	Portable laboratories	40
METERLAB	Electrochemical meters	18, 26-28
MF	Microbiology	70
MONEC	Controller	112, 114, 116
MPN	Microbiology	70
N NITRATAX sc	NO ₃ probes	121, 128-129
P P/A	Microbiology	70
PERMACHEM	Powder pillow	43, 54-65
pHD sc	pH sensor	113, 120
PHOSPHAX	PO ₄ analysers	121, 124, 132, 133
PLATINUM	Electrode	25
POCKET	Colorimeter	29, 30-31
Q QUICKCHEM 8500	Flow-injection analysis	89
R RATIO Optik	Turbidity measurement technique	73-75
S SARTORIUS	Balances, moisture analyser	82
SAM7	METERLAB Sample station	26
SC 60/100/1000	Controller	96-100
SENSION	Electrochemical meters	18, 24-25, 28
SIGMA 911/950	Flow meter	142
SIGMA 900	Sampler	93-94
SIGMATAX 2	Homogenisation	134, 137
SINGLET	Calibration solutions	28
SIPAN 32X	Controller	111-116
SITRANS	Level sensors	143
SOLITAX sc	Process probes	101, 106-107
SONATAX sc	Process probe	101, 109
SURFACE SCATTER 6	Turbidity sensor	101, 108
STABL CAL	Turbidity standards	73, 76, 103-105
SWIFTEST	Powder dispenser	43, 80
T Test strips	Visual test	42, 46
TITRALAB	Titration	86-87
TOCTAX	TOC analyser	137
TOC-X5	TOC Shaker	80
U ULTRATURB plus sc	Turbidity probe	101, 105
USC	Controller	116
UVAS plus sc	UV probe	138
V VOLITAX	Sludge probe	101, 110
X XIAN 1000	Sampler	92, 94
XION	Spectrophotometer	29, 37, 78

→ Blue: laboratory analysis

→ Red: process measurement technology

Digital electrochemistry

pH, O₂ (LDO), conductivity ...

- Easy to use: Visual and sound notification of stable readings
- User friendly: Immediately recognisable menus in full text
- Easy to read: Large, illuminated graphic display

- Innovative: Digital technology inside the electrode protects against external interferences
- Fast response: INTELICAL electrodes are recognised automatically
- Reliable: INTELICAL electrodes measure accurately, irrespective of the instrument they are used with; they save their calibration data



NEW!
PAGE 19

- Intuitive operation: One-touch measurement available
- Flexible: One connection for all electrochemical parameters

- Versatile electrodes for wastewater, drinking water, process water
- Rugged outdoor electrodes with cable lengths up to 30 m – also for pH
- Calibration and polarisation free oxygen sensor (LDO)

HACH LANGE GMBH
Willstätterstraße 11
D-40549 Düsseldorf
Tel. +49 (0)211 5288-0
Fax +49 (0)211 5288-143
info@hach-lange.de
www.hach-lange.com

HACH LANGE LTD
Pacific Way
Salford
Manchester, M50 1DL
Tel. +44 (0)161 8721487
Fax +44 (0)161 8487324
info@hach-lange.co.uk
www.hach-lange.co.uk

HACH LANGE LTD
125 Baldoyle Industrial Estate
Baldoyle
IRL-Dublin 13
Tel. +353(0)1 8391555
Fax +353(0)1 8063939
info@hach-lange.ie
www.hach-lange.ie



UNITED FOR WATER QUALITY