

measuring equipment

meters

continuity tester



1

No.	Part no.	capacity test	display
1	800126	0-90k Ω /-900k Ω	optic/acoustic

clamp-on ammeters

1

2

3

No.	1	2	3
Part no.	800105	800119	800128
current range (AC)	0.01-1000	0.1-600	0.1mV-750
current range (DC)	-	-	0.1mV-1000
voltage range (AC)	0.1-750	0.1-600	0.1-1200
voltage range (DC)	-	-	0.1-1200
resistance measuring range (M Ω)	1-4000 Ω	1-2000 Ω	100m Ω -40M Ω
pliers aperture (mm)	52	36	52
frequency range	10Hz~4MHz	10Hz~5MHz	0.01Hz~500KHz
note	incl. bag and battery	incl. bag and battery	incl. bag and battery

conductivity meters

1

No.	Part no.	measuring range	temperature range (°C)	display	function	measures (mm)
1	800196	0 μ S/cm-200mS/cm	0-85	conductivity/temperature	auto-range; hold function	142x71x26

accessories

cases



1

No.	Part no.	measures (mm)	usage
1	800197	275x229x83	conductivity-, exhaust-, pH-meter/digital manometer

conductivity meters type TDS



1

No.	Part no.	measuring range	temperature range (°C)	display	dimensions (mm)
1	800010	0 - 1999 ppm	0 to +50	ppm	175x41x23

digital multimeters



1



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3



4

No.	1	2	3	4
Part no.	800124	800098	800125	800145
ranging mode	Auto-Range	manual	manual	manual
voltage range (AC)	1mV-750	1mV-750	1mV-750	1mV-750
voltage range (DC)	0.1mV-1000	0.1mV-1000	1mV-1000	1mV-1000
current range (AC)	1μA-10	0.1mA-20	-	0.1μA-10
current range (DC)	1μA-10	1μA-20	1μA-200m	0.1μA-10
resistance measuring range (MΩ)	0.1Ω-40mΩ	0.1Ω-20mΩ	0.1Ω-2mΩ	0.1Ω-20mΩ
temperature range (°C)	-	-20 to +1000	-	-
diode test	yes	yes	yes	yes
transistor test	-	yes	yes	yes
capacity test	yes	yes	yes	yes
measured value memory	yes	-	-	yes
relative value function REL	yes	-	-	-
min/max value identification	yes	-	-	yes
dimensions (mm)	186x86x39	189x91x31.5	120x72x37	186x86x39
display	3¼ digits	3½ digits	3½ digits	3½ digits
capacity range	1pF-20μF	1pF-20μF	-	1pF-20μF
frequency range	0.01Hz-1kHz	1Hz-20kHz	-	1Hz-10MHz

exhaust gas meters



1



2

No.	Part no.	measuring range	dimensions (mm)	note	type
1	802033	0-1000ppm	142x71x26	integrated probe	GCO 100
2	802152	0-1000ppm	175x80x32	incl. probe and bag	ID155C

accessories
interface converters



1 2

No.	Part no.	connection	for model	type
1	800006	RS232 interface	GMH 3xxx & GCO	GRS 3100
2	800007	USB interface	GMH 3xxx & GCO	USB 3100

cases



1

No.	Part no.	measures (mm)	usage
1	800197	275x229x83	conductivity-,exhaust-,pH-meter/digital manometer

leak detectors
for coolant



1

No.	Part no.	application	signal	display	note
1	690682	all coolants halogen based	optical/acoustical	LED	with case and batterie

for microwave



1 2

No.	Part no.	note	measuring range
1	801169	incl. bag and battery	0-10mW/cm

No.	Part no.	note	measuring range
2	801236	incl. bag and battery	0-9.99mW/cm²

for natural and liquid gas



No.	Part no.	signal	display	dimensions (mm)	probe	detail
1	802153	optic/acoustic	LED	220x160x40	external	incl. bag and battery
2	802154	optic/acoustic	LED-scale	235x55x37	internal	incl. bag and battery
3	802155	optic/acoustic	LED-scale	280x120x90	external	with bag and mains adapter

microwave indicators



No.	Part no.	application	dimensions (mm)	type	version
1	801173	indicates microwave distribution in cavity	150x30x15	TM319	with illuminated display

pH meters



No.	Part no.	pH range	temperature range (°C)	connection
1	800198	0-14pH	-100 to +250	BNC socket

accessories
probes



1

No.	Part no.	pH range	temperature range (°C)	connection
1	800199	0-14pH	0-80	BNC plug

cases



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No.	Part no.	measures (mm)	usage
1	800197	275x229x83	conductivity-, exhaust-, pH-meter/digital manometer

pressure measurement
digital manometer sets



1

No.	1
Part no.	800008
measurement range (mbar)	0 to 140
type	PM 6530
function	differential-pressure
measurement unit	mbar,kPa,MPa,mmHg,PSI
note	case/hoses/software/power supply

digital manometers
vacuum + barometric pressure measurement



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2

No.	Part no.	measurement range (mbar)	measurement unit	type
1	800002	0 up tp 1300	mbar,bar,kPa,MPa,PSI,mmHg,mH2O	GMH 3161-12
2	541583	0.05-50	mbar/psi/in.Hg/kPa/w.c./mmHg	476A

vacuum/over-/differential-pressure measurement



No.	Part no.	measurement range (mbar)	measurement unit	type
1	800005	0 to 19.99 / 199.9	Pa/mbar/mmHg,PSI	GDH 200-07
2	800004	-1.00 to 70.00	bar,Pa,kPa,PSI,mmHg,mH2O	GMH 3161-07H
3	800000	-100 to 2000	bar,kPa,MPa,mmHg,PSI,mH2O	GMH 3161-13

cases



No.	Part no.	measures (mm)	usage
1	800197	275x229x83	conductivity-,exhaust-,pH-meter/digital manometer

U-tube manometers



No.	Part no.	type	pressure range (mbar)	version
1	250053	MA 138	0-60	rigid

No.	Part no.	type	pressure range (mbar)	version
2	250052	Manoflex	0-60	rollable

temperature meters
infrared



1

No.	Part no.	measuring range (°C)	measurement unit
1	800305	-20 to 520	°C/°F

with exchangeable probe



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2

No.	Part no.	version	measurement unit	measuring range (°C)	probe
1	800106	incl. wire probe	°C/°F	-50 to 1300	K
2	800190	no probe	°C	-50 to 1150	K

accessories
cases



1

No.	Part no.	measures (mm)	usage
1	800116	340x270x80	for temperature measuring device

sets



1

2

3

No.	Part no.	note	measurement unit	measuring range (°C)	probe
1	800123	meter/wire probe, plunge probe	°C/°F	-50 to 1300	K
2	800115	meter/wire-, surface-, plunge probe	°C/°F	-50 to 1300	K
3	800118	multimeter/ surface-, plunge probe/plug set	°C	-20 to +1000	K

temperature probes

wire probes



No.	Part no.	probe type	temperature range (°C)	response time (sec)	cable length (mm)
1	800110	K	-50 to +400	5	900

Low Budget



No.	Part no.	Description	cable length (mm)
1	800193	liquids probe probe type K -50 to +1000°C	1000
2	800192	surface probe probe type K -50 to +450°C	1000
3	800191	plunge probe probe type K -50 to +550°C	1000

with spiral cable



No.	Part no.	Description	cable length (mm)
1	800112	plunge probe probe type K -50 to +600°C	1300
2	800108	surface probe probe type K -50 to +1000°C	1400

with integrated probe



No.	Part no.	measurement unit	measuring range (°C)	probe	measures (mm)	probe length (mm)
1	802116	°C/°F	-50 to +300	penetration probe	116x58x18	105
2	800003	°C/°F	-50 to +300	penetration probe	141x95x26	140

with penetration probe



No.	Part no.	display	measuring range (°C)	probe length (mm)
1	541097	analogue	-10 to 100	120
2	802028	analogue	-10 to 100	130
3	541634	digital	-50 to +300	85

No.	Part no.	display	measuring range (°C)	probe length (mm)
4	541636	digital	-50 to +300	115
5	541087	digital	-50 to +300	120
6	541096	digital	-50 to +300	120



No.	Part no.	display	measuring range (°C)	probe length (mm)
7	541635	digital	-50 to +300	120

voltage indicators



No.	Part no.	voltage type	voltage range (V)	version	check
1	800139	AC/DC	6-690	2 pole with rotary field and phases display	VDE, GS, CE

accessories

cases



No.	Part no.	measures (mm)	usage
1	800197	275x229x83	conductivity-, exhaust-, pH-meter/digital manometer
2	800116	340x270x80	for temperature measuring device

interface converters



1 2

No.	Part no.	connection	for model	type
1	800006	RS232 interface	GMH 3xxx & GCO	GRS 3100
2	800007	USB interface	GMH 3xxx & GCO	USB 3100

measuring conductors



1 2 3 4

No.	Part no.	Description
1	800167	connecting piece black L 40mm ø 4mm
2	800166	connecting piece red L 40mm ø 4mm
3	800169	measuring conductors black L 1000mm ø 4mm
4	800168	measuring conductors red L 1000mm ø 4mm

test prods



1 2 3 4 5 6

No.	Part no.	Description	No.	Part no.	Description
1	800156	alligator clip black ø 4mm	4	800161	testing centre red ø 4mm
2	800155	alligator clip red ø 4mm	5	800164	vice clamp testing centre black ø 4mm
3	800162	testing centre black ø 4mm	6	800163	vice clamp testing centre red ø 4mm

test prod set



1 2

No.	Part no.	content	ø (mm)	cable length (mm)	No.	Part no.	content	ø (mm)	cable length (mm)
1	800122	2-piece	4	1000	2	800170	8-piece	4	1000

measuring tools

scales



1

No.	Part no.	measuring range	resolution	measures (mm)
1	802115	0.1 - 150g	0.1g	128x78x18

folding rules



No.	Part no.	L (mm)	material
1	801341	2000	plastic

No.	Part no.	L (mm)	material
2	801340	2000	wood

nozzle gauges



No.	Part no.	size (mm)	version
1	800080	0.1-3	adjustable
2	800083	0.1-5	adjustable

No.	Part no.	size (mm)	version
3	800082	0.45-1.5	with 20 measuring pins
4	800081	1.5-3	with 16 measuring pins

reel measuring tapes



No.	Part no.	L (m)	version
1	801345	2	-
2	801346	3	-

No.	Part no.	L (m)	version
3	801348	3	with inspection window
4	801347	5	-

rulers



1

No.	Part no.	L (mm)	material	version	splitting
1	801469	300	VA steel	rigid	1.0/0.5mm

slide calipers

slide calipers fibreglass

WIHA



1

2

3

No.	Part no.	display	measuring range (mm)
1	801344	digital	0-150
2	801342	linear scale	0-130

No.	Part no.	display	measuring range (mm)
3	801343	with circular dial	0-150

slide calipers stainless steel



1

2

3

No.	Part no.	display	measuring range (mm)
1	801471	digital	0-150
2	801350	linear scale	0-150

No.	Part no.	display	measuring range (mm)
3	801470	with circular dial	0-150

spirit levels



No.	Part no.	L (mm)	material
1	801290	400	light metal

No.	Part no.	L (mm)	material
2	801291	800	light metal