

ECO 1xx-GOURMET



Thermometers for Cooking, Baking and Barbecue



- Specialized versions for use in cooking, baking, and barbecue
- Removable rubber protective case with 2 built-in magnets
- Durable, long battery life
- Fast & accurate measurements
- Pt1000 (2-wire) & Type K variants
- Zero and slope correction
- Min/Max/Hold, Auto Power-Off Function

DESCRIPTION

The ECO 1xx-GOURMET series comprises specialized, rugged handheld thermometers for cooking, baking, and barbecue - designed for precise, fast, and reliable food temperature measurements in professional and demanding applications. Depending on the model, Pt1000 solutions are available for maximum accuracy (ECO 121-GOURMET with a permanently attached Pt1000 probe or ECO 120-GOURMET with interchangeable Pt1000 insertion probes) or thermocouple devices for the fastest possible measurements (ECO 130-GOURMET / ECO 130.2-GOURMET as a 2-channel version). For practical use, the devices are equipped with a removable rubber protective cover featuring two strong magnets and a 3-line backlit display. The devices offer features such as Min/Max/Hold, configurable auto-power-off, and zero and slope correction. Depending on the model, they are rated IP67 (ECO 12x) or IP54 (ECO 130); power is supplied by 2× AA batteries.

Overview of variants:

- **ECO 120-GOURMET:** Excellent accuracy for interchangeable Pt1000 insertion probes
- **ECO 121-GOURMET:** Maximum accuracy thanks to attached Pt1000 probes
- **ECO 130-GOURMET:** Fastest possible measurement, interchangeable thermocouple probes
- **ECO 130.2-GOURMET:** Fastest possible measurement, 2 channels, interchangeable thermocouple probes



Included rubber protective case G1000-Cover with 2 strong neodymium magnets

TECHNICAL SPECIFICATIONS

	ECO 120-GOURMET	ECO 121-GOURMET	ECO 130[.2]-GOURMET
Measuring input Type Number	Pt1000 (2-wire) BNC 1	Fixed probe 1	Thermocouple Type K Miniature flat plug ECO130-GOURMET: 1 ECO130.2-GOURMET: 2
Measuring range	-200 ... +450 °C (observe permissible range of probe)	-70 ... +250 °C	-65 ... +1200 °C (observe permissible range of probe)
Resolution	0.1 °C		
Accuracy	-20 ... +100 °C: $\pm 0.1 \text{ K} \pm 1 \text{ digit}$ Other range: $\pm 0.2 \%$ of value $\pm 2 \text{ digits}$ (plus probe inaccuracy acc. to class)		Device: $\pm 0.1 \%$ v.MW. $\pm 1 \text{ °C}$ Reference junction: $\pm 0.3 \text{ °C}$ (plus probe inaccuracy acc. to class)
Cable length	max. 3 m	1 m	max. 3 m
Display	3-line with battery status indicator, backlight, protected by shatterproof screen, overhead display at the push of a button		
Power supply	2 x AA alkaline batteries (included)		
Power consumption	approx. 0.4 mA, approx. 2 mA with backlight		< 1 mA
Battery life	> 5000 h typ. continuous operation		> 3000 h typ. continuous operation
Automatic Power-Off	Yes, user configurable		
Operating conditions instrument	-20 ... +50 °C 0 ... 95 % r.h. (non-condensing), up to 100% r.F. for short periods		0 ... 85 % r.h. (non- condensing)
Storage temperature	-20 ... +70 °C (without batteries)		
Probe variant		Insertion $L_{\text{tube}} = 100 \text{ mm}$ I1.5: $\varnothing 1.5 \text{ mm}$ I3: $\varnothing 3 \text{ mm}$	
Probe cable and handle		Silicon, short time 250°C, permanent 230°C	
Dimensions	108 x 54 x 28 mm		
Weight (incl. case)	approx. 160 g (without pobe)		approx. 155 g
Protection class	IP65 / 67 (only with waterproof probes in the connected state for devices with BNC connection)		IP54

ORDER CODES

Waterproof gourmet alarm thermometer for Pt1000 probes with BNC connector

ECO120-GOURMET - 1 - 2

1	Probe	
		without temperature probe
	E3	with robust insertion probe Ø3 mm GF1T-E3-AA-BNC
	E1.5	with extra thin insertion probe Ø1.5 mm GF1T-E1.5-A-BNC
2	GF2T1.5	with fast penetration probe Ø1.5 mm, without cable, class A, GF2T-E1.5-A
	Set-Option	
		Device in carton box, magnetic rubber protection cover G1000-Cover, batteries, manual, test protocol
	GKK1000	Device in case GKK 1000, magnetic rubber protection cover G1000-Cover, batteries, manual, test protocol

Waterproof gourmet alarm thermometer with permanently attached probe

ECO121-GOURMET - 1 - 2

1	Probe (permanently connected)	
	I3	With robust insertion probe, GF1T, Ø3 mm, handle and cable shorttime 250°C, permanent 230°C
	I1.5	With fast penetration probe GF1T, Ø1.5 mm, handle and cable shorttime 250°C, permanent 230°C
2	Set-Option	
		Device in carton box, magnetic rubber protection cover G1000-Cover, batteries, manual, test protocol
	GKK1000	Device in case GKK 1000, magnetic rubber protection cover G1000-Cover, batteries, manual, test protocol

1-Channel Thermocouple Gourmet Thermometer / 2-Channel Thermocouple Gourmet Thermometer

ECO130-GOURMET - 1 - 2 / ECO130.2-GOURMET - 1 - 2

1	Probe	
		without temperature probe
	GTE130	with insertion probe GTE 130 OK (no cable, max 400°C), Ø1.5 mm
	E3	with insertion probe GF 1TK-E3, Ø3 mm, max 550°C, handle short time 250°C, 1 m silicon cable 200°C
	E1.5	with insertion probe GF 1TK-E1.5, Ø1.5 mm, max 550°C, handle short time 250°C, 1 m silicon cable 200°C
2	Set-Option	
		Device in carton box, magnetic rubber protection cover G1000-Cover, batteries, manual, test protocol
	GKK1000	Device in case GKK 1000, magnetic rubber protection cover G1000-Cover, batteries, manual, test protocol

STANDARD ARTICLES

ECO120-GOURMET	Waterproof gourmet alarm thermometer for interchangeable Pt1000 probes with BNC connectors	Art. No. 489728
ECO121-GOURMET-I1.5	Waterproof gourmet alarm thermometer with a permanently attached Ø 1.5 mm probe (GF1T) and a 1 m silicone cable	Art. No. 489726
ECO121-GOURMET-I3	Waterproof gourmet alarm thermometer with a permanently attached Ø 3 mm probe (GF1T) and a 1 m silicone cable	Art. No. 489727
ECO130-GOURMET	Type K Thermocouple 1-Channel Gourmet Thermometer	Art. No. 489731
ECO130.2GOURMET	Type K Thermocouple 2-Channel Gourmet Thermometer	Art. No. 489732

Each unit is shipped in a box and includes a magnetic G1000 rubber protective cover, batteries, user manual, and a test report

SPARE PARTS & ACCESSORIES

GB-AA-2	Spare batteries 2x AA	Art. No. 600704
G1000-Cover	ECO-Line/G 1000 rubber protection cover, incl. 2 neodymium magnets	Art. No. 483958
ST-G1000	Protective case with belt clip	Art. No. 611373
GCLIP1000	Metal belt clip self-adhesive	Art. No. 475820
G1000-BASE	ECO-Line/G 1000 combined table base / wall suspension	Art. No. 481885
GKK1000	Carrying case	Art. No. 611603

Suitable probes for ECO 120-GOURMET (selection)

GF1T-E1.5-B-BNC	Pt1000 insertion probe, Class B, 100 mm, Ø 1.5 mm, BNC connector	Art. No. 609645
GF1T-E3-B-BNC	Pt1000 insertion probe, Class B, 100 mm, Ø 3 mm, BNC connector	Art. No. 609639
GF1T-T3-B-BNC	Pt1000 immersion probe, Class B, 100 mm, Ø 3 mm, BNC connector	Art. No. 609549
GF1T-T3-AA-BNC	Pt1000 immersion probe, Class AA, 100 mm, Ø 3 mm, BNC connector	Art. No. 609550

Suitable probes for the ECO 130[.2]-GOURMET (selection)

GTE130OK	Insertion Type K probe without cable, Ø1.5mm	Art. No. 601483
GF1TK-T3	Compact Type K immersion probe, silicone handle, Ø3 mm	Art. No. 609695
GF1TK-E3	Compact Type K insertion probe, silicone handle, Ø3 mm	Art. No. 609697
GF1TK-E1.5	Compact Type K insertion probe, silicone handle, Ø1.5mm	Art. No. 609699
GF1TK-L3	Compact Type K air probe, silicone handle, Ø3 mm	Art. No. 611299
GTF300-L01-00	Type K wire probe for measurements in fractions of a second	Art. No. 600072