

PH-MEASURING TRANSDUCER WITH ON SITE DISPLAY

HIGHLIGHTS:

- automatically and manually temperatur compensation
- external Pt1000-temperature probe connectable

WITH ELECTRICALLY ISOLATION

**GPHU 014 MP-BNC**

Art. no. 601985

pH-measuring transducer with on site display without electrode, BNC-connection

GPHU 014 MP-Cinch

Art. no. 601989

pH-measuring transducer with on site display without electrode, Cinch-connection

Specifications:

Measuring ranges:	0.00 ... 14.00 pH
Accuracy:	0.02 pH \pm 1 digit (at nominal temperature = 25 °C)
Output signal:	4 ... 20 mA (2-wire), standard; 0 ... 10 V (3-wire), upon upcharge
Electric isolation:	input electrically isolated
Auxiliary energy:	12 ... 30 V DC (for option 0 ... 10 V: 18 ... 30 V DC)
Perm. impedance (at 4 ... 20 mA):	$R_A [\Omega] \leq (U_V [V] - 12 V) / 0.02 A$
Permissible load (at 0 ... 10 Volt):	$R_L > 3000 \Omega$
Electrode:	any standard pH electrode is suitable (not in scope of supply)
Input resistance:	$10^{12} \Omega$
Electrode socket:	BNC-socket or Cinch-socket
Temperature compensation:	-30 ... +150 °C, manually via 3 keys or automatically via external Pt1000 sensor, banana plug
Adjustment:	via 3 keys and integrated LCD, 2-point-calibration
Temp. sensor socket:	2 x banana socket \varnothing 4 mm, for Pt1000 probe
Display:	approx. 10 mm high, 4-digit LCD-display
Working temperature:	0 ... +50 °C (electronic)
Storage temperature:	-20 ... +70 °C
Electric connection:	elbow-type plug acc. to EN 175301-803/A (IP65)
Housing:	ABS (IP65), with the exception of electrode and temperature connection sockets. (cpl. IP65 upon request)
Dimensions:	82 x 80 x 55 mm (H x W x D)
Mounting:	with fixing holes for wall mounting (accessible after removal of cover), Mounting distance: 70 x 50 mm (W x H), Fixing screws: max. shaft- \varnothing 4 mm

Option:**V2:** Output signal 0 ... 10 V**MB...:** limited measuring range (please state the desired range) (i.e.: 2.00 ... 10.00 pH)**Accessories and spare parts:****GTF 2000-B-WD**

Art. no. 601884

Water proof Pt1000-temperature probe, with 2 banana plugs \varnothing 4 mm**GE 100-BNC**

Art. no. 600704

Standard electrode, BNC-plug (thread adapter PG 13.5 optional available)

GE 100-Cinch

Art. no. 600702

Standard electrode, Cinch-plug (thread adapter PG 13.5 optional available)

GE 117-BNC

Art. no. 600730

pH electrode with integrated Pt1000-sensor, 1 x BNC-plug and 1 x banana plug \varnothing 4 mm, thread PG13.5, pressure resistant up to 6 bar**GE 173-BNC**

Art. no. 600735

Process electrode for continuous operation, with thread PG 13.5, pressure resistant up to 6 bar, BNC-plug

GE 173-Cinch

Art. no. 600734

Process electrode for continuous operation, with thread PG 13.5, pressure resistant up to 6 bar, Cinch-plug

GAK 1400

Art. no. 603523

working and calibration set (p.r.t. page 62)

DFG70

Art. no. 611372

Flow-thru vessel (p.r.t. page 187)