



i-LEVEL Capacitive Filling Level Probe Analogue current output 4...20 mA

For dry bulk materials and non-conductive liquids with low dielectric constant (e.g. oil)

- Adjustable with EasyTeach by Wire, EasyTeach by Magnet
- With flange connector M 12 x 1 (5-pin incl. EasyTeach function)
- Level measurement over the entire active zone (M) up to a maximum of 20 m
- Shortenable measuring probe incl. accessories for isolating fixation of the cable electrode
- Optional: housing with temperature barrier for higher product temperatures
- Optional: Process connection in various versions



Technical data	
Active zones [M]	20000 mm
Electrical version	3 - pin DC
Output function	Analogue
Type	KFI-1-R-20000-VAc/PTFE/VAc-D13-PHG1-IL4-ET-Y10
Art.-No.	KI 0161
Operating voltage (U_B)	15...30 V DC
Permitted residual ripple max.	5 %
Load resistance (R_L)	$\leq 200 \Omega$
Power consumption (outputs no-load)	1,5 W
Analogue output	4...20 mA
Permitted ambient temperature	-25...+70 °C
Permitted product temperature	-25...+70 °C
Pressure	0...10 bar
Tensile load cable electrode max.	8,7 kN
LED-Display	Green
Protective circuit	Built-in
Degree of protection IEC 60529 (process connection / connection head)	IP 66 / IP67
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Material	Cable electrode \varnothing 4 mm Gravity weight, eyelet M12, hexagon head screw Partly isolated area IBS Housing Lid Isolating piece Stainless steel VA no. 1.4401 / AISI 316 Stainless steel VA no. 1.4404 / AISI 316L (FDA conform) PTFE (FDA 21 CFR 177.1550) Stainless steel VA no. 1.4404 / AISI 316L (FDA conform) PC (FDA 21 CFR 177.1580) PEEK (FDA 21 CFR 177.2415)
Accessories (delivered with the probe)	Gravity weight, eyelet M12, hexagon head screw, isolating piece, Teach magnet
Accessories (not delivered with the probe)	#193330, female connector M12

All specifications are subject to change without notice. (06.01.2020)

EasyTeach chart:

LED green / Adjustment function

- Adjustment Min.
- Adjustment Max.
- Factory set
- Test

Made in Germany