

Hydrostatic level transmitter BAMONIV TPS

- Level measurement of aggressive liquids
- Measuring cell: ceramic (99.9 %)
- Accuracy: 0.35 % (option: 0.25 %)
- Measuring ranges up to 50 m Water Column
- Body: PVDF or PP

APPLICATIONS

- Chemical industry
- Electroplating plants
- Waste water plants
- Neutralization process

DESCRIPTION

BAMONIV-TPS is designed for hydrostatic level measurement in aggressive media that is clear or slightly contaminated. Wet parts are of PVDF or PP, the seal of FPM and the cable of FEP.

It measures the level according to the principle of hydrostatic pressure measurement. The probe is suspended with its cable, down to the tank bottom. The probe is in immersion in the liquid and delivers a 4-20 mA signal proportional to the immersion depth.

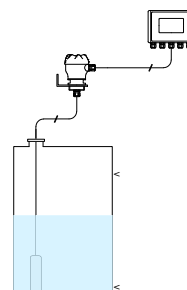
TECHNICAL FEATURES

Power supply	9 ... 32 V DC
Output signal	4 ... 20 mA; 2-wire
Current limit	21 mA max.
Load limit	Rmax. = 450 Ω
Electrical protections	Against reversed polarity, short circuit
Accuracy	< ± 0.35 % F.S. - According IEC 60770
Temperature limits	-10...+60 °C
Temperature compensation	0...+60 °C
Temperature incidence	< ± 0.1 % FS / 10 K
Response time	≤ 0.2 s
Measuring cell	Ceramic Al ₂ O ₃ 99.9 % (aluminum oxide)
Measuring ranges	From 0...1 up to 0...50 m water column (See the table "Codes and references")
Body	PVDF or PP
Seal	FPM (EPDM or FFPM on request)
Cable	FEP (Standard) PUR TPE
Protection	IP 68

EC Conformity The instrument meets the legal requirements of the current European Directives



BJSC junction box
(recommended option)



CODE NUMBERS AND REFERENCES

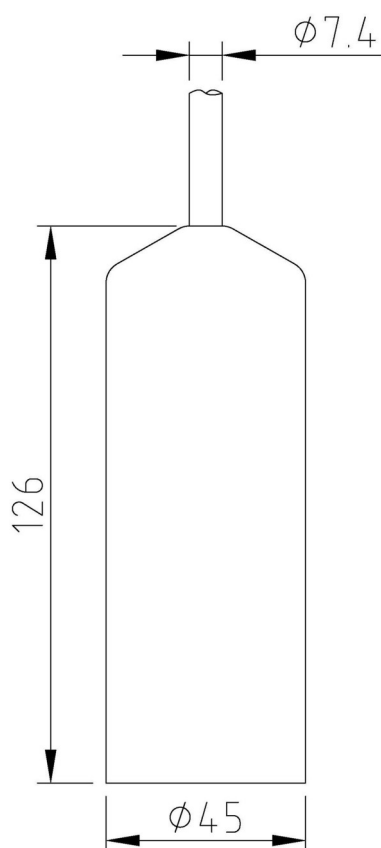
Code	Reference	Body	Range (Water Column)	Cable length
591 601	BAMONIV TPS 6 01	PVDF, FEP cable	0...1m	5m
591 602	BAMONIV TPS 6 02	PVDF, FEP cable	0... 1.6 m	5m
591 603	BAMONIV TPS 6 03	PVDF, FEP cable	0... 2.5 m	5m
591 604	BAMONIV TPS 6 04	PVDF, FEP cable	0...4m	6m
591 605	BAMONIV TPS 6 05	PVDF, FEP cable	0...6m	8m
591 701	BAMONIV TPS 7 01	PP, FEP cable	0...1m	5m
591 702	BAMONIV TPS 7 02	PP, FEP cable	0... 1.6 m	5m
591 703	BAMONIV TPS 7 03	PP, FEP cable	0... 2.5 m	5m
591 704	BAMONIV TPS 7 04	PP, FEP cable	0...4m	6m
591 705	BAMONIV TPS 7 05	PP, FEP cable	0...6m	10m

Other cable lengths on request.

Accessories

Code	Reference	Description
590 797	BJSC-A	Holder BJSC-A (cable gland in PVDF)
590 799	BJSC2"	Holder BJSC
590 798	SE/PVC/2"	PVC angle bracket
520 620	CE 200	PP counter nut 2" BSP

DIMENSIONS



Bottom view of the ceramic cell 99,9%



Pression - Température

8 Av. du Gué Langlois · 77600 Bussy-Saint-Martin
 Tel +33 (0)1 60 37 45 00 Web www.citec.fr
 E-mail citec@citec.fr

Hydrostatic level transmitter
BAMONIV TPS

27-02-2024

D-591.03-EN-AL

NIV

591-03/2