

# TURBIDITY LIMIT IMMERSION PROBE TURBISWITCH CP5



CP5 2 Z0

- For open containers, channels, flumes, etc.
- Maximum immersion depth: 10 metres
- Optical windows: Sapphire crystal
- For connection to the evaluation unit TURBISWITCH GS5
- Detection range 50 ... 30,000 FAU

## APPLICATIONS

- Phase separation
- Sludge level detection
- Treated water monitoring
- Turbidity limit monitoring

## DESCRIPTION

Turbidity is caused by particles in a liquid. This TURBISWITCH CP5 immersion probe, designed for open containers or channels, measures the turbidity of the liquid.

For this purpose, a transmitted light measurement is used, in which the transmitter and receiver are opposite each other.

The attenuated light is measured by the TURBISWITCH GS5 which accurately detects when the turbidity value set by the user is exceeded. The detectable turbidity ranges goes from 50 to 30,000 FAU.

## TECHNICAL FEATURES

Immersion depth	Max. 10 m
Ingress protection	IP68
Material	PVC or PP
Liquid temperature	0... +60 °C with PVC probe 0... +80 °C with PP probe
Cable	Shielded cable 3x0,34mm <sup>2</sup> , standard length 6 meters (up to 100m : consult us) Cable in PVC for PVC version CP5 Cable in TPK for PP version CP5
Optical windows	Sapphire crystal
Seals material	EPDM (Standard), FPM/FKM on request
Measuring range	About 50 to 30,000 FAU
Mounting	Hanging on its cable, or with guiding tube of standard length 1000 or 1500 mm (up to 2000 mm on request ). Mounting accessory: IP65 connection head PBT plastic G2" thread + mounting bracket & counter nut.

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



CP5 1 ZR...



Evaluation unit  
TURBISWITCH GS5 (410-03),  
available separately

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TURBIDITY LIMIT  
IMMERSION PROBE  
**TURBISWITCH CP5**

30-01-2023

D-425.03-EN-AI

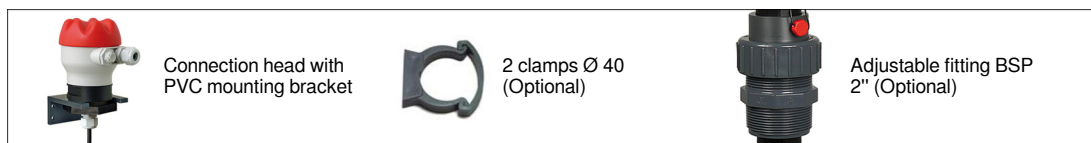
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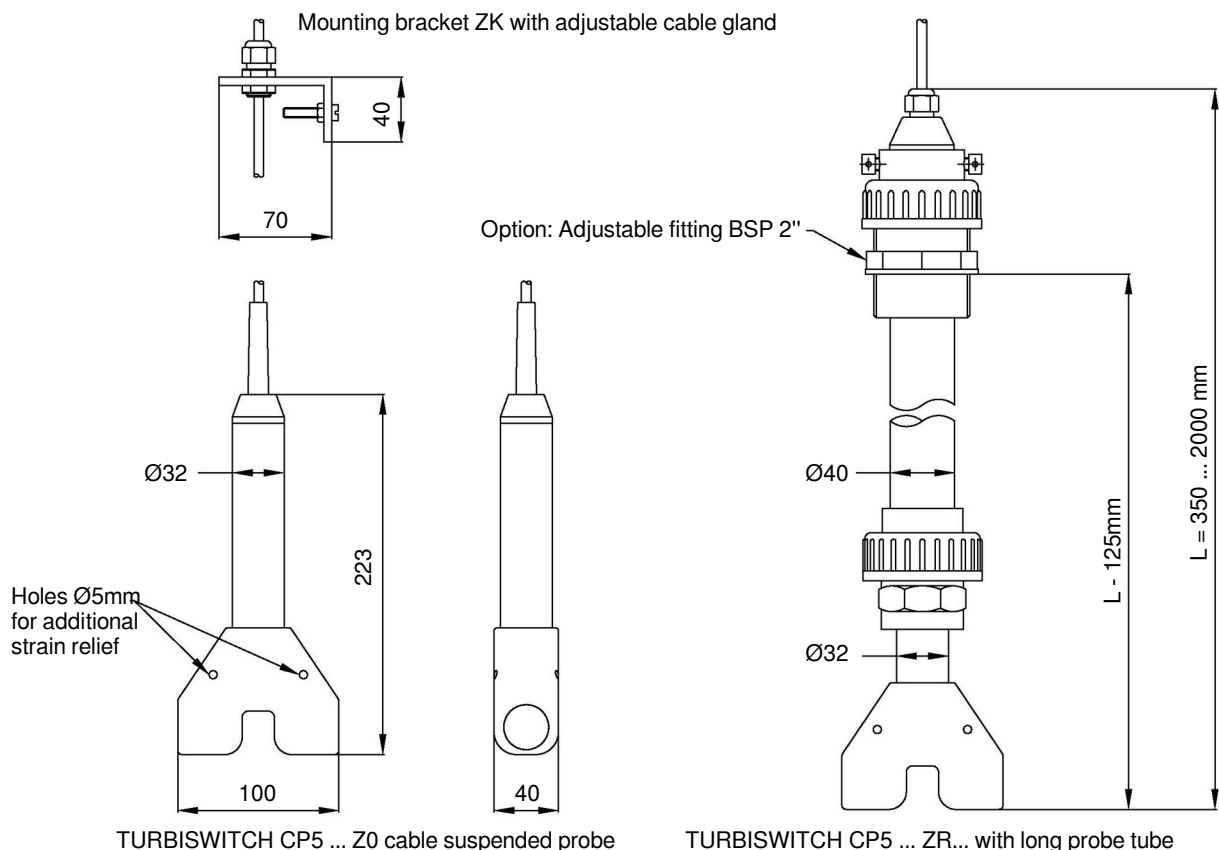
## CODE NUMBERS AND REFERENCES

Code	Reference	Description
425 012P	TURBISWITCH CP5 1 Z0	CP5 PVC, EPDM, 50 .. 30000 FAU, 6 m PVC cable
425 022P	TURBISWITCH CP5 1 ZK	CP5 PVC, EPDM, 50 ... 30000 FAU, 6 m PVC cable + Mounting bracket with adjusting screw
425 032P	TURBISWITCH CP5 1 ZR1000	CP5 PVC, EPDM, 50 ... 30000 FAU, guide tube 1000 mm + 6 m PVC cable
425 042P	TURBISWITCH CP5 1 ZR1500	CP5 PVC, EPDM, 50 ... 30000 FAU, guide tube 1500 mm + 6 m PVC cable
425 013	TURBISWITCH CP5 2 Z0	CP5 PP, EPDM, 50 ... 30000 FAU, 6 m TPK cable
FPM sealing on request		
410 103	TURBISWITCH GS5 G	Evaluation unit TURBISWITCH GS5 100 ... 240 V AC - 50/60Hz
410 104	TURBISWITCH GS5 D	Evaluation unit TURBISWITCH GS5 10 ... 30 V DC oder 12 ... 24 V AC

Other materials on request



## DIMENSIONS



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