## NivuChannel Questionnaire for Evaluation of Measurement Place



To correctly and comprehensively assess measurement place as well as possible errors and to choose the best metering unit possible we kindly ask you to answer the questions below as thorough as possible.

In case of doubt please consult us by phone +49 (0)7262-9191-0 or e-mail <a href="mailto:flow@nivus.de">flow@nivus.de</a>

Please return the completed questionnaire by Fax to: +49 (0)7262 / 9191-999

Requesting Comp	pany:			
Contact Person:		Phone:	Mobil	e:
Street:		Fax:		
Postal Code, City:		E-mail:		
Place of Installation planned		Date of Installation planned:		
Postal Code, City:		Country:		
Contact Person:		Phone:	Mobil	e:
Previous Knowledg	ge: ☐ basic knowledge on ultras ☐ previously existing ultraso ☐ no		technology	
Specifications of	n water hody	3. Hydraulic cond	litions	
Name:	n water body	Run of water body		☐ meandering
		Shipping traffic:	yes	□ no
Type: 🔲 natural		Backwater:	□ yes	□ no
	l (artificial)	Plant growth within measurement place:		
Width:		9	☐ yes	□no
		Wind effects:	☐ heavy	☐ weak
Depth:			□ none	
·		Ice:	□ yes	□no
Impounding or shut	t-off unit available:	Velocity distribution:		
pourraing or ona	yes no		☐ regular [	☐ irregular
		$V_{\text{max}}$ m/s:	V <sub>m</sub> m/s:	V <sub>min</sub> m/s:
2. Hydrological Ma	in Values	Fluctuation of water level in m:		
MHQ m³/s:	MHW cm, mNN:	Straight approach section to meas. place in m:		
MQ m³/s:	MW cm, mNN:	Straight discharge section downstream of		
MNQ m³/s:		measurement pla	ce in m:	
		Back-current / tide effects:		
			☐ yes	☐ no



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4. Morphological Conditions		Salt gradient:	∐ yes
Measurement Profile:		Load of suspended soli	ds:  heavy light
☐ natural ☐	developed	Max. content of suspen	ded solids in mg/l:
☐ structured ☐	non-structured		
Detailed drawing of profile avail	ilable:	Location of weir:	
	yes ☐ no	☐ upstream	☐ downstream ☐ none
Foreland:	l yes □ no	Distance to weir in m:	
Foreland slope:	strong 🗌 slight		
Foreland overgrowth:	heavy 🗌 slight	Air entrainment:	☐ yes ☐ no
Type of foreland overgrowth:		Type of source of air er	ntrainment:
☐ shrubbery ☐ trees		□ bed fall	aerated grit removal tank
other:		fish ladder	
		other:	
Bank:			
☐ natural ☐	reinforced		
Bank Reinforcement:			
☐ concrete ☐	stones		
other:			
		8. Specifications of Mea	asurement System
Channel Bottom:		Sensor Ex:	☐ no ☐ Zone 2
☐ natural			Zone:
☐ reinforced by: ☐	concrete		
	stones	Power Supply:	
	other:	☐ 230 V AC	☐ 110 V AC
		 □ 24 V DC	other:
		<u> </u>	_
		Electronic Data Intercha	ange: 🗌 yes 🔲 no
5. Geometry of Measurement L	ocation	Type of EDI:	☐ mobile ☐ landline
Cross-sectional area, drawing		,	other:
yes no			
Remarks on environment of me	easurement place:		
	rial masts		
	h-voltage lines	9. Logistic Specification	ns
sluice stage, distance in m:		protective building avail	
state stage, distance in in.		other protective housing:	
more:		access to measuremen	<u> </u>
			rough country
			surement place and protective
		building / measuring ca	
		-	
		Distance between meas	surement place and transmitter
C Dhysical Canditians		in m:	•
6. Physical Conditions			
Measurement medium: water supply		Water level sensors ava	ailable: 🗌 yes 🗌 no
	ural water body		
Temperature gradient:	s ∐ no		

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Water level sensors to be installed:		10. Installation	
□ NivuMaster P-Series	☐ NivuBar Plus	☐ requesting company	
other:		other:	
Target measurement range in m:			
Telephone available:	☐ yes ☐ no		
Type of telephone mainlines:	☐ analogue ☐ ISDN	☐ Supervisor NIVUS (support by NIVUS)	
Power supply available:	☐ yes ☐ no	If you wish to install an ultrasonic transit time system	
Data transmission system available:	☐ yes ☐ no	independently and to perform initial start-up by yourself, it is required to have various facilities and	
Bridge:	☐ yes ☐ no	tools available. We are pleased to provide a list on the	
Constructions within water body:	•	most fundamental materials upon request.	
☐ piles ☐ groins	mooring posts		
sheet pile wall  other:	_		
		11. Further Notes	
Photos of measurement place / envi	ronment:		
7. Services possibly provided by cus			
	er supply		
☐ approvals ☐ wate	er engineering work		
diving work			
other:			
Date		Signature / Stamp	