



Water level sensor (summergeable)

Piezometric submersible sensors designed for continuous level measurement in water applications. The sensor has a stainless steel housing and a flush ceramic diaphragm which prevents from the build up of solids of time and makes it easy to clean. The piezoelectric element detects the pressure difference between its location and the atmospheric pressure on the surface. This pressure difference is proportional the water level above the sensor. A special (ventilated) cable connects the sensor sensing element with the surface.

Order numb.	DQC001.15	DQC001.20	DQC001.25	DQC001.30	DQC001.35
Summergeable cable	L = 15 m	L = 20 m	L = 25 m	L = 30 m	L = 35 m
	DQC001.40	DQC001.45	DQC001.50	DQC001.55	DQC001.60
Summergeable cable	L = 40 m	L = 45 m	L = 50 m	L = 55 m	L = 60 m

Common features

Water level	<i>Principle</i>	Piezometric type
	<i>Range</i>	0÷10 m
	<i>Uncertainty</i>	< 0,5% Full scale (IEC60770)
	<i>Thermal drif</i>	<0,2% Full scale/10K
	<i>Thermal compensation</i>	0÷70°C
	<i>Power supply</i>	12÷36Vdc
	<i>Power consumption</i>	Max 20 mA
	<i>Output</i>	4÷20 mA (two wires)
	<i>Material</i>	Body: stainless steel. Sensor: ceramic, seals FKM Cable: PVC
	<i>Dimensions</i>	Ø = 27mm, L = 109,6mm



Water level sensor (Ultra-sonic)

Ultrasonic sensor for continuous, non-contact level measurement of liquids. Short ultrasonic impulses in the range of 18 to 70 kHz are emitted by the transducer to the measured product, reflected by the product surface and received again by the transducer. The pulses are spread with sound velocity. The time from emission to reception of the signals is proportional to the level. These models are more suitable than the submersible type, when installation is made difficult due to strong currents, possible floods, river boarder not accessible, etc.

Order numb.	DQL003	DQL005	DQL006
-------------	--------	--------	--------

Range	0,25÷5 m	0,4÷8 m	0,6÷15 m
-------	----------	---------	----------

Common features

Water level	<i>Principle</i>	Ultra-sonic (70 kHz)
	<i>Uncertainty</i>	± 1 cm (+18÷30°C, 860÷1060 hPa)
	<i>Operative temperature</i>	-40÷80°C
	<i>Power supply</i>	20÷36 Vdc
	<i>Output</i>	4÷20 mA
	<i>Material</i>	PVDF
	<i>Weight</i>	1,8 Kg

Accessories

Order numb.

DYA044	Lateral support for ø 50 mm pipe
DQL100	Power supply system 12Vdc/24Vdc. Connection of DQL003-005 sensor to LSI LASTEM data logger. Mounting inside ELFxxx boxes.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.