

# C90-TL Low-Cost Series

New

## Hidrostatic Low Cost Level Transmitters

### General Features:

C90-TL is an electronic level piezometric transmitter series, with the typical analogical output 4..20 mA (2 Wires) and even if they are built with very high quality standards, as the precision electronic, the sensor body in stainless steel, and the electronic and the connection board set inside a strong and large housing in light alloy, painted at hot, as it is typical of instruments of a superior range, they are anyhow inside the category of the instruments low-cost, allowing their usage inside a very large range of using, even where, normally, for costing reasons, it would not be possible to use an electronic transmitter of this kind.

The C90-TL transmitter are at disposal in 8 different standard working range, with an end of scale of 0,6 metres up to 200 metres (rifer. Water Column) and they are furnished by a connection cable (and compensation of atmospheric pressure) between the plunging sensor and the external housing, with a major length respect to the calibration of the instrument so to be able to easier the positioning, besides, in the case that this length was not sufficient it is possible to order the transmitter with a majored cable in a single piece, or it is possible to extend the cable through a special addition, but anyhow we suggest it only in case you do not have to use it plunged.



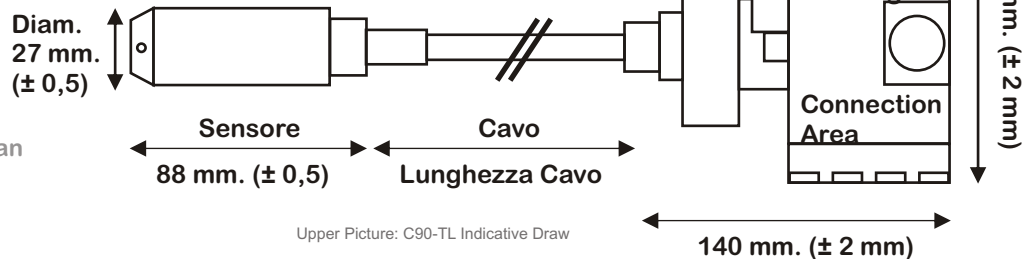
In the Picture:  
C90-TL Level Transmitter

### Some Typical Applications:

Wells - Tanks - Silos  
Purification Plants - Canals  
Rivers - Storage - Dam

### Some Suggested Coupling:

Remote Telecontrol Wireless - Lan  
Local Datalogger  
Photovoltaic Power Supply



Upper Picture: C90-TL Indicative Draw

## Technical Features:

C90-TL - Hidrostatic Level Transmitters for Liquids								
Model	C90-TL-01	C90-TL-02	C90-TL-03	C90-TL-04	C90-TL-05	C90-TL-06	C90-TL-07	C90-TL-08
Art.	8704	8729	8730	8731	8732	8733	8734	8735
UM	Meters of Water Column ( @ 10 mt WC = 1 bar)							
Meas. Range Meter of Water Column	0...0,6	0...1	0...2	0...5	0...10	0...50	0...100	0...200
Standard Connection Cable Length Included	5 mt	5 mt	6 mt	9 mt	14 mt	54 mt	104 mt	204 mt
Full Scale Out	mA		20 (± 0,1)					
Combined Error	%FS		0,3					
Zero Unbalance	mA		4 (± 0,1)					
Insulation Resistance	mOhm		≥ 500@100 Vdc					
Temperature effect on SPAN	%FS/10 °C		0,2					
Temperature effect on ZERO	%FS/10 °C		0,2					
Compensated Temp. Range	°C		-10..60					
Operating Temperature Range	°C		-20..80					
Power Supply	Vdc		24 Vdc (± 2%)					
Ultimate Overload Pressure	%FS		200 (Breacking Limit)					
Safe Overload Pressure	%FS		120 (Safety Limit)					
Housing Elettronica	Strong Painted Light Alloy Housing - IP68 - With Double Lateral Access Covers							
Electical Connection	Inside Housing Scraw Clamps - With Standard Cable Gland Included							
Cable External Covering	Polyethylene							
Cable Gasket Material	Rubber							
Sensor Material	Stainless Steel INOX AISI 316L							
Chemical	Not Inflammable - Not esplosive - Non Corrosive - Not Abrasive - Not Viscous Liquids							
Accessories Included	Installation Bracket							

### How to Order:

C90-TL-01 - Art.8704 - Range 0..0,6 mt - 5 mt Cable  
 C90-TL-02 - Art.8729 - Range 0..1 mt - 5 mt Cable  
 C90-TL-03 - Art.8730 - Range 0..2 mt - 6 mt Cable  
 C90-TL-04 - Art.8731 - Range 0..5 mt - 9 mt Cable  
 C90-TL-05 - Art.8732 - Range 0..10 mt - 14 mt Cable  
 C90-TL-06 - Art.8699 - Range 0..50 mt - 54 mt Cable  
 C90-TL-07 - Art.8700 - Range 0..100 mt - 104 mt Cable  
 C90-TL-08 - Art.8701 - Range 0..200 mt - 204 mt Cable

### Suggested Accessory:

C90-TL Connection Cable Extension (Add Meters) Art. 0A519  
 C90-TL-CAL 1/4" Threads Adapter 1/4" G Female for Sensor Calibration - Art. 8737  
 C801-M Art. 5A015 - Alim. 230 o 120 Vac (50 60 Hz) Triple Out 24 Vdc - 55 mA - Mount. DIN Rail  
 C802-M Art. 5A180 Alim. 230 o 120 Vac (50-60 Hz) Single Out 24 Vdc 60 mA Mount. DIN Rail  
 C810-1PH Art. 5596 Electrincal AC Power Supply Filter - Single Phase 10A Max  
 C810-FUL-1PH Art. 5861 Single Phase Power Line Lightning Protection  
 C809-5250 Art. 5250 - Passive mA Signal Output Protection Insulator (No Power Required)



**ceam control equipment**

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