INTEGRATED CONTROLS, INC.

Model 88 Submersible Transducer

- **Outputs: 4-20mA, 0-5 Vdc, 0-10 Vdc and mV/V**
- **Pressure ranges: 0-1 to 0-500 PSI**
- **Standard accuracy of 0.5% BFSL (optional accuracies to 0.1%)**
- **Built-in, lightning and surge protection**
- **Unparalleled long-term stability**
- **½" MNPT conduit connection supplied as standard**
- **Kynar or Hytrel jacketed cables available**

CE

Performance @ 25°C (77°F)
Accuracy: <±0.5% BFSL to 0.1% BFSL
Stability (2 year): <±0.05% FS, typical
Over pressure protection: 2X Rated Pressure
Burst Pressure: 2.5X minimum
Pressure Cycles: >50 Million
Temperature range: 1 to 40°C (33 to 104°F)
Temperature Accuracy: ±1°C (±1°F)

Environmental Data
Storage temp: -50 to +125°C (-60 to +250°F)
Compensated range: 1 to 30°C (33 to 86°F)
Temp comp Zero: <±1.0% FS
Temp comp Span: <±1.0% FS

Electrical Data
Excitation:
9-36 Vdc (4-20mA and 0-5 V output)
13-36 Vdc (0-10 V output)
(option C29: max 29 Vdc excitation)
5-10 Vdc (mV/V output)

Current consumption: <5mA
Zero offset: <±0.25% of FS
Span tolerance: <±1.0% of FS
Output load: >10K Ohm

Physical data
Sensor wetted material: 316SS
Body material: 316SS
(Other materials on application)

Pressure connection: ¼" Male NPT, bullet-nose
(others on application)
Electrical Connection: Vented and non-vented cable
(submersible disconnects on application)

Integrated Controls Inc
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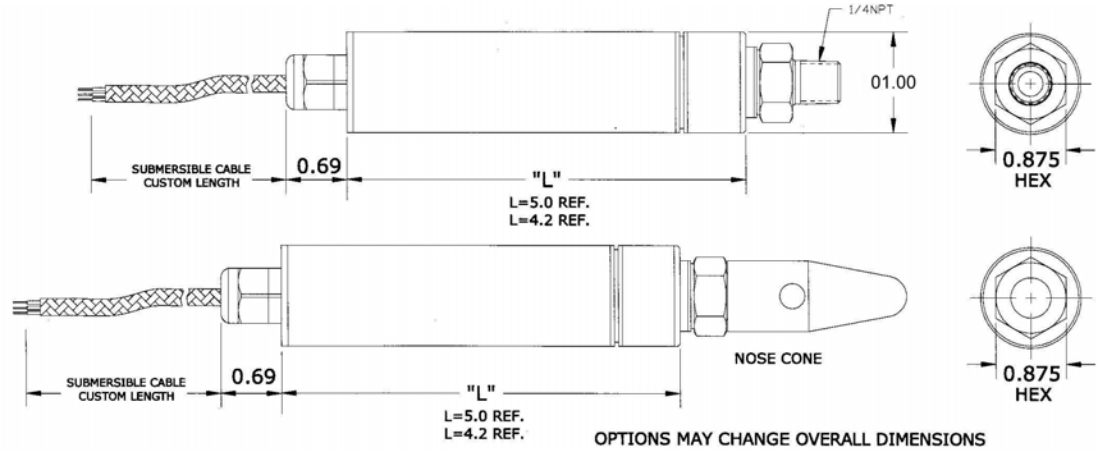
Ordering guide – Example: 88-A-(0-15 PSIG)-2-D-5-SCV

A	(0-15 PSIG)	2	D	1	SCV
Pressure Port	**Range**	**Units**	**Output**	**1**	**Connector**
A=1/4" MNPT B=Nose cone C=Other	Specify pressure range in feet (meters) water, PSI or BAR	1=Absolute 2=Gauge (vented cable) 4=Sealed 6=Other	D=4-20mA E=0-5VDC F=0-10VDC M=mV/V	5=0.5% BFSL 2=0.2% BFSL 1=0.1% BFSL	SCV= Vented cable** SCN=Non-vented Cable** ECX=Other (Units supplied with ½" MNPT conduit connections as standard)

** Standard cable jacket is Kynar. Hytrel available on request – contact factory.

Dimensions:

(For refence only. Actual dimensions and configuration may vary. Standard configuration includes ½" MNPT conduit connection)



Wiring	4-20mA, Cable
Red	+ excitation
Black	- excitation/signal
Power	9-32 Vdc

Wiring	Voltage, Cable
Red	+ excitation
Green	+ signal
Black	- excitation/signal
White	no connection
Output	Power
0-5 Vdc	9-32 Vdc
0-10 Vdc	13-32 Vdc

Typical Applications:

- Ground Water Monitoring
- Wet-well Monitoring
- Ocean research
- Soil remediation
- Level Control
- Surface Water Monitoring

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