

Lauris Ultrasonic Flow Meter Ordering Information

FF - A - B - C - D - E - F - G - H - I - J - K - L - M - N - O - P - Q - R - S

Item	Description
A	Number of Paths
1225	Single Path, 2 transducers
2225	Two Path, 4 transducers
3225	Three Path, 6 transducers
4225	Four Path, 8 transducers
B	Arrangement
A	Regular inline, process pressure below 20 bar-g
E	High pressure inline, with retraction tool (Note 5)
U	Insertion, single angled port (Note 1)
G	Vertical insertion
XT	High temperature inline
C	Pipe size in Inches, Two Digits
00	No Spool required
D	Transmitter Mount (Note 2)
LM	Local (Integral) Mount Transmitter
10	Remote Mount, Cable Length 10m (33ft)
20	Remote Mount, Cable Length 20m (65ft)
30	Remote Mount, Cable Length 30m (100ft)
E	Remote Mount kit, SS316 plate and bolt-up hardware
1	Yes
2	No
F	Spool & Flange Material (Note 3)
00	No Spool, On Pipe Installation
ST	Regular Carbon Steel, A105 / A106
LT	Low Temp Carbon Steel, A333 / A350LF2
SS	Stainless Steel Pipe and Flanges, SS316
CM	Other Material and/or coating per IFC Datasheet
G	Pipe Schedule
00	Not applicable
STD	Schedule Standard
010	Schedule 10
040	Schedule 40
080	Schedule 80
XH	Schedule Extra Strong
160	Schedule 160
CM	Custom thickness per IFC Datasheet
H	Spool Flange Rating
0	No spool
1	ANSI 150
2	ANSI 300
3	ANSI 600
4	ANSI 900
5	ANSI 1500
I	Spool Flange Type
0	No spool
RF	Raised Face
FF	Flat Face
SO	Slip On

Item	Description
J	Process Connection, Transducer Port
N10	NPT 1"
N15	NPT 1.5"
F10	Flanged 1" RF
F15	Flanged 1.5" RF
F20	Flanged 2" RF
F30	Flanged 3" RF
K	Include Isolation ball valves (Note 6)
1	Yes
2	No
L	Power Supply
A	24 VDC
B	120-250 VAC
M	Certification Standard
1	ATEX / IECEx
2	CSA / UL
N	Flow transmitter enclosure material
1	Powder Coated Aluminum
2	Stainless Steel
O	Transducer Material
TS	SS316
TL	SS316L
TT	Titanium
TH	Hastelloy
TM	Monel
P	Maximum Process Pressure, in bar-g, Two Digits
Q	Maximum Process Temperature
1	135C
2	250C
3	600C
R	Pressure Transmitter (Note 4a)
P0N00	By Others, remote mount
P0N05	By Others, on spool mount, include 1/2" NPT Port
P0N10	By Others, on spool mount, include 1" NPT Port
P1N00	By Lauris, remote mount, shipped loose
P1N05	By Lauris, 1/2" NPT port, installed
P1N10	By Lauris, 1" NPT port, installed
S	Temperature Transmitter (Note 4b)
T0F00	By Others, remote mount
T0F05	By Others, on spool mount, include 1/2" FLG Port
T0F10	By Others, on spool mount, include 1" FLG Port
T0F15	By Others, on spool mount, include 1.5" FLG Port
T0F20	By Others, on spool mount, include 2" FLG Port
T1F00	By Lauris, remote mount, shipped loose
T1F05	By Lauris, 1/2" Flange port, installed
T1F10	By Lauris, 1" Flange port, installed
T1F15	By Lauris, 1.5" Flange port, installed
T1F20	By Lauris, 2" Flange port, installed

Example:

FF1225-A-10-30-1-ST-STD-1-RF-F15-1-A-1-1-TT-10-2-P0N05-T0F20

- Inline regular single path flow meter
- Spool size is 10"
- Remote Mounted Transmitter with 30m coaxial cable
- Remote mounted kit, SS316 plate and boltup hardware
- Spool Body from A106 Carbon Steel, w/ A105 Flanges
- Pipe Schedule is Standard
- Spool Flange Rating is ANSI CL150
- Spool Flange Type is Raised Face
- 1.5" Flanged CL150 transducer ports with isolation ball valves
- 24VDC power supply
- CSA/UL, Aluminum enclosure
- Titanium Transducers
- 10bar-g Maximum Process Pressure
- 250C Maximum Process Temperature
- Pressure transmitter by Others, ½" NPT on spool port
- Temperature transmitter by Others, 2" flanged on spool port



(meter rendering for reference only)

Notes:

- 1) Insertion single port FF1225-U flow meter can only be ordered in a single path or dual path configuration.
- 2) Maximum coaxial cable length for remote mounted transmitter is 30m (100ft). Standard cable glands are nickel plated brass, stainless can be provided upon request.
- 3) Standard prep and coating for ST and LT spool materials is blasting per SSPC-SP10 and powder coating in RAL-5005. Other prep and coating options (ex. Three system enamel) are available upon request.
- 4) Unless otherwise specified the following are the Lauris standard Pressure and Temperature Transmitters:
 - a. Pressure Transmitter – ½ " NPT Port Noshok 621 Series Explosion Proof (P/N 621-30/100-1-1-8-6).
 - b. Temperature Transmitter – Aircom ½" NPT Thermowell, 316L Tapered Stem, RTD Assembly 3-wire single element, CSA RTD 2/3/4-wire transmitter (4-20mA Output).
- 5) Only one retraction tool is included per order. Additional retraction tools can be provided upon request.
- 6) Standard isolation ball valves are SS316.