

Fluid Inventory Control

Nex-U[®] U-meter & U-meter⁺

High accuracy, compact pulse meter including the electronic module required to control the meter and valve operation and to communicate with other system components through CAN BUS.



3110-118



3110-117

Features

- The meter has an LED display showing the U-meter number assigned in the system, four different LED lights that show the U-meter operation for diagnosis and two buttons for system configuration
- Equipped with fast connection in/out CAN BUS terminals
- Available in different materials and sizes to match different applications

NOTE: U-meter⁺ includes Bluetooth[®] connection to a U-vision or a U-vision⁺ module.

COMPONENT TECHNICAL DATA

Function	In-line meter
Requirements & Limitations	Requires U-power or U-power ⁺ power supply units. Order solenoid separately
Power	U-valve and U-valve ⁺ require 24 V DC supplied by a U-dat or a U-power module

MODELS AVAILABLE

3110-139	U-meter 1/2" NPT(F) Lube
3110-122	U-meter 3/4" NPT(F) Lube, diesel
3110-120	U-meter 1/2" BSPP DEF, WW, AF
3110-118	U-meter 1/2" BSPP DEF, WW, AF
3110-117	U-meter ⁺ 1/2" NPT(F) Lube
3110-123	U-meter ⁺ 3/4" NPT(F) Lube, diesel
3110-121	U-meter ⁺ 1/2" BSPP DEF, WW, AF
3110-119	U-meter ⁺ 1/2" BSPP DEF, WW, AF

Only for connection with U-dat, U-valve, or an adjacent U-meter. Requires a 24 V DC solenoid valve.

U-METER⁺, MODELS WITH BLUETOOTH PART NO.

U-METER PART NO.	3110-117	3110-123	3110-121	3110-119
Wetted Materials	Aluminum, NBR, stainless steel, acetal	Aluminum, NBR, stainless steel, acetal	PVC, Vectra [®] , stainless steel, Viton [®]	Stainless steel, Vectra [®] , Viton [®]
Applications	Lubricants	Lubricants, diesel	DEF, WW, AF	DEF, WW, AF
Connection threads	1/2" NTP(F)	3/4" NPSM(F)	1/2" BSPP	1/2" BSPP
Flow range	1 - 32 qt/min (1 - 30 l/min)	8.4 - 84.4 qt/min (8 - 80 l/min)	1 - 52.8 qt/min (1 - 50 l/min)	1 - 52.8 qt/min (1 - 50 l/min)
Pulses per quart	310 ppq (328 ppl)	103 ppq (109 ppl)	303 ppq (320 ppl)	303 ppq (320 ppl)
Accuracy	+/- 0.5 %	+/- 0.5 %	+/- 0.5 %	+/- 0.5 %
Max working PSI	1,450 psi (100 bar)	1,450 psi (100 bar)	1,450 psi (100 bar)	1,450 psi (100 bar)
Communications	CAN BUS	CAN BUS	CAN BUS	CAN BUS
Service Bulletin	SB 3801	SB 3810	SB 3801	SB 3808

U-METER SOLENOID KITS

	3110-125	3110-126	3110-127	3110-128	3110-130	3110-131
Applications	Lubricants, AF	Lubricants, AF	High delivery lubricants & AF solutions	High delivery lubricants & AF solutions	DEF and WW (LP)	DEF and WW (LP)
Connection threads	1/2" NPT(F)	1/2" NPT(F)	3/4" NPT(F)	3/4" NPT(F)	1/2" BSPP(F)	1/2" BSPP(F)
Pulse meter	3110-139 U-meter	3110-117 U-meter ⁺	3110-122 U-meter	3110-123 U-meter ⁺	3110-120 U-meter	3110-121 U-meter ⁺
Solenoid valve	3120-217	3120-217	3120-218	3120-218	3120-226	3120-226
Y-strainer	3120-211	3120-211	3120-212	3120-212	3120-211	3120-211