Compatible Meters

The following table shows meters approved by Inovonics for use with the TapWatch system.
- Due to product changes by manufacturers, all information on this sheet is subject to change without notice.
- Verification of meter wiring and transmitter's successful operation with the meter is recommended before installing the meter-transmitter.

Manufacturer	Model	Pulse Type	Units & Pulses/Unit	Transmitter to use	Inovonics Tested?	Wiring info	Comments	Meter Mfg Approval	Date of Mfg Approval
AMCO (formerly ABB)	"A" pulser (C700)	Voltage	Gallon 1/100	EN1501 FA5201	Yes	2 wire. "+" and "-" marked on meter. Negative, "-", must connect to outside terminal of transmitter closest to the corner of the board.	Pulses/unit data for up to 1" meters. 1 pulse per 1000 gallons on 1.5" and 2" C700 with A Pulser	Yes	8/3/00
AMCO (formerly ABB)	C700 InsideR	Switch	Gallon 1/1	Integrated with meter	Yes	No wiring.	Pulses/unit data for up to 1" meters. 1 pulse per 10 gallons on 1.5" and 2" C700 with InsideR	Yes	8/3/00
AMCO (formerly ABB)	G200 (Discontinued. Formerly G2D1p)	Switch	Cu. Ft. 1/100	EN1501 FA5201	Yes	2 wire, no polarity.	No longer available.	Yes	8/3/00
AMCO (formerly ABB)	G4 200 CFH Gas Meter	Switch	Cu. Ft. 1/1	EN1501 FA5201	Yes	2 wire, no polarity. Use green and brown wires. Yellow and white tamper wires are not used.		Yes	8/3/00
AMCO (formerly ABB)	V100 (formerly PSMT)	Switch	Gallon 2/10	EN1501 FA5201	Yes	Use red and blue wire. Cut off black and yellow. No polarity.		Yes	8/3/00
AMCO (formerly ABB)	RS Pulser (Discontinued)	Switch	Gallon 1/1	EN1501 FA5201	Yes	2 wire, no polarity.	Meter is discontinued. Pulses/ unit data for up to 1" meters. For 1" and greater meters, consult AMCO.	Yes	8/3/00
AMCO (formerly ABB)	Gas Meter Pulser	Switch	Pulse 1/1	EN1501 FA5201	Yes	Use black and white wire. No polarity.		Yes	8/3/00
Actaris	Gallas 2000 S1 Gas Meter	Switch	Cu. Ft. 1/1	EN1501 FA5201	Yes	Blue is positive. Black is negative and must go to outside terminal of transmitter closest to corner of board. Brown is not used (tamper wire).	Older models used different wire color: Yellow is positive. Red is negative. Blue is not used (tamper wire).	Yes	12/2000
Actaris	MultiMAG 5/8 x 3/4	Reed switch	Gallon 1/10	EN1501 FA5201	No	2 wire, no polarity.	Compatibility determined from Norgas' testing and report. Distributed by Norgas in USA.	Yes	2/8/2005
Accuflo Technologies	3/4" Turbine	Switch	Gallon 1/10	EN1501 FA5201	Yes	2 terrminal connections. "+" and "-" marked on meter. Negative ("-") must connect to outside terminal of transmitter closest to the corner of the board.	Prototype unit tested.	Yes	1/10/2003
Accuflo Technologies	Nitro (multi-jet)	Reed switch	Gallon 1/10	EN1501 FA5201	Yes	Use Red and Yellow wire; no polarity. Blue wire is for tamper and not used.	Private label meter. Manufacturer is Hendey.	Yes	3/18/2004
Accuflo Technologies	Nitro II (positive displacement)	Reed switch	Gallon 1/10	EN1501 FA5201	Yes	Use Red and Yellow wire; no polarity. Blue wire is for tamper and not used	Private label meter. Manufacturer is Hendey.	Yes	3/18/2004
American Meter Co.	BK-G1.6 Gas Meter	Switch	Cu. Ft.	EN1501 FA5201	Yes	NA	Compatible per NK	Yes	2001

Manufacturer	Model	Pulse Type	Units & Pulses/Unit	Transmitter to use	Inovonics Tested?	Wiring info	Comments	Meter Mfg Approval	Date of Mfg Approval
BadgerMeter	DSI-1L	Voltage	Gallon 1/10	EN1501 FA5201	Yes	Red is positive, black is negative must go to outside terminal of transmitter closest to the corner of the board.		Yes	8/2/2000
E-MON	RESI-MON RF		KWH 1/1	EN1501 FA5201	Yes	2 screw terminal and no polarity, if older design with LCD display and 2 boards. Newer design with mechanical display and 1 board has polarity. Terminal Block 5+ (TB5+) is positive and TB5− is negative. Negative ("−") must connect to outside terminal of transmitter closest to the corner of the board.		Yes	8/4/00
Global Power Products	VT-2	Switch	0.1 KWH 1/1	EN1501 FA5201	Yes	Red is positive. Black is common and must go to outside terminal of transmitter closest to the corner of the board. (Yellow is common for KYZ output)		Yes	9/05/2000
Hersey-Meters	ER1	Voltage	Gallon 2/10	FA5202	Yes	Has 2 ground wires so can use red & black or the red & white. Black or white must go to outside terminal of transmitter closest to the corner of the board.	5/8", 3/4" & 1" meters only	Yes	08/16/2000
Hersey-Meters	ER2	Voltage	Gallon 2/10	FA5202	Yes	Has 2 ground wires so can use red & black or the red & white. Black or white must go to outside terminal of transmitter closest to the corner of the board.	5/8", 3/4" & 1" meters only	Yes	08/16/2000
Hydrometer	E-TX Galaxy IMT	Switch	Gallon 1/10	EN1501 FA5201	Yes	2 wire, no polarity.		Yes	1/2/02
IMS (Integrated Metering Systems)	Blue Series 2000 Electric Meter	Voltage	Watt-Hr	EN1501 FA5201	Yes	Has polarity, so Isolated Output COM terminal must go to outside terminal of PMT closest to corner of board. Isolated Output 10 or 1K connects to PMT based on selectable pulse output rate of 10WH or 1KWH per on/off cycle.		Yes	2/5/2007
IMS (Integrated Metering Systems)	HVAC-Pro-E Runtime Meter	Voltage	Seconds 1/36	EN1501-EXT FA5201-EXT	Yes	Has polarity, so negative must go to outside terminal of transmitter closest to corner of board.		Yes	8/1/2006
IMS (Integrated Metering Systems)	MiniMeter MMD1 202001 SCC	Voltage	Watt-Hr	EN1501 FA5201	Yes	Has polarity, so negative must go to outside terminal of transmitter closest to corner of board.		Yes	8/1/2006
Inovonics	MetraMeter EN1550	Switch	Gallon 1/1	Integrated with meter	Yes	No wiring.		Yes	1/3/06
Invensys (Precision Meter Sensus)	PMX	Switch	Gallon 1/10	EN1501 FA5201	Yes	Has 2 reed switches so can use red & black or the white & black. Black is common and must go to outside terminal of transmitter closest to the corner of the board.		Yes	8/16/2000
ista North America	Domaqua	Switch	Gallon 1/10	EN1501 FA5201	Yes	2 wire, no polarity.		Yes	1999
ista North America	Istameter	Switch	Gallon 1/10	EN1501 FA5201	Yes	2 wire, no polarity.		Yes	1999
Master Meter	Electrical Output option	Switch	Gallon 1/10	EN1501 FA5201	Yes	Use Red and Black wire; no polarity. Bare wiring is shielding.	Pulses/unit data for up to 1" meters. For 1" and greater meters, consult Mstr Mtr.	Yes	8/17/2000
Master Meter	Flexible Axis Meter (FAM)	Reed switch	Gallon 1/10	EN1501 FA5201	Yes	Not polarity sensitive, dry contact pulse from the removable reed switch.	Can be mounted in any orientation – leave room to view the meter's odometer.	Yes	8/17/2000
Master Tek	450-013 Runtime Interface module	Voltage	Minute 1/1	EN1501 FA5201	Yes	Red is positive. Black is negative and must go to outside terminal of transmitter closest to the corner of the board.		Yes	1/23/2003

Manufacturer	Model	Pulse Type	Units & Pulses/Unit	Transmitter to use	Inovonics Tested?	Wiring info	Comments	Meter Mfg Approval	Date of Mfg Approval
Master Tek	BK00322 Run-Time Inter-face	Voltage	Minute 1/1	EN1501 FA5201	Yes	White is positve. White & black striped is negative and must go to outside terminal of transmitter closest to the corner of the board..		Yes	12/22/2003
Minol LP	RTM-3204	Switch	Seconds 1/1	EN1501 FA5201	Yes	2 wire, no polarity		Yes	7/22/04
Neptune	E-CODER	Encoder	Gallons 1/10	EN1550EP	Yes	3 wire	Converts encoder data to pulse	Yes	3/1/2018
Neptune	E-CODER Register	Encoder	Gallons 1/10	EN1550EP	Yes	See install literature		Yes	9/25/2018
Neptune	ProCoder	Encoder	Gallons 1/10	EN1550EP	Yes	See install literature		Yes	9/25/2018
Neptune	ProRead	Encoder	Gallons 1/10	EN1550EP	Yes	See install literature		Yes	9/25/2018
Norgas Metering Technology	RT500	Relay	Minute 1/1	EN1501 FA5201	Yes	DC input: red is positive, black is common and must go to outside terminal of FA5201 closest to the corner of the board. AC input: two wire, no polarity.			
Osaki	5124 and 5220 Electronic Electric Meter	Voltage	KWH 1/1	EN1501 FA5201	Yes	Terminal C01 is ground and must go to outside terminal of transmitter closest to the corner of the board. Terminal C11 is positive.	Note: Output configuration must be set to 1 pulse per KWH by using C01 and C11 connections.	Yes	9/05/2000
Osaki	MTR-9124K1 MTR-9220-K1 Mechanical Electric Meter	Switch	KWH 1/1	EN1501 FA5201	Yes	No polarity. Pulse output terminals CA-CB		Yes	9/05/2000
RealPage/ Velocity	Velocity 9000	Reed switch	gallon 1/10	EN1501 FA5201	Yes	2 wire, no polarity		Yes	9/19/2008
Siemens	ALTIMUS Electric Meter with "2S" form factor	Voltage	Kilowatts. Pulse rate is user selectable	EN1501 FA5201	Yes	Black is positive. Red is negative and must go to outside terminal of transmitter closest to the corner of the board.		Yes	4/24/2002
Siemens	WFK14. E130/US	Switch	gallon 1/10	EN1501 FA5201	Yes	2 wire, no polarity.		Yes	5/2001

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