



Allen County Water District

330 New Gallatin Road
Scottsville, Kentucky 42164
(270)622-3040
acwd@nctc.com
www.acwdky.com

The Allen County Water District radio read meters are purchased through United Systems which is located in Benton, Kentucky. We are currently installing Diehl Hydrus meters and ERTs. Invoices for Diehl meters and ERTs are attached along with some information on the Diel meters.

Thank you

Keri Hill



United Systems & Software, Inc
 PO BOX 547
 91 Southwest One Boulevard
 Benton, Ky 42025
 Phone (270) 527-3293
 Fax (270) 527-3132
 www.united-systems.com

INVOICE

Invoice Date	Invoice Number	Page
02/24/25	112822	1 Of 1



SOLD ALLEN CO WATER DIST
 TO 330 NEW GALLATIN ROAD
 SCOTTSVILLE, KY 42164

SHIP ALLEN CO WATER DIST
 TO 330 GALLATIN RD
 SCOTTSVILLE, KY 42164
 (270) 622-3040

Order Number	Order Date	Customer Number	Sales Representative	Purchase Order Number	Ship Via	Ship Date	Payment Terms
81535	12/22/23	106	Daniel Brown	Verbal Cody	UPS		Net 10
Quantity Ordered	Quantity Shipped	Item Number & Description				Unit Price	Extended Price
1,250	250	OEM6222060 Itron Diehl Hydrus 5/8x3/4 Gas v2.0 Line 1.3 8D				\$130.00	\$32,500.00
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Date Rec'd <u>3-6-25</u> <u>AG</u> Code _____ Check # _____ Mailed _____ Office Mgr. _____ District Mgr. _____ </div>							

Past due invoices will be assessed 1% interest per month.

Sales Amount	\$32,500.00
Sales Tax	\$0.00
Freight	\$0.00
Sub-Total	\$32,500.00
Amount Paid	\$0.00
Balance Due	\$32,500.00

Original



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Invoice Date	Invoice Number	Page
03/05/25	113148	1 Of 1



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Order Number	Order Date	Customer Number	Sales Representative	Purchase Order Number	Ship Via	Ship Date	Payment Terms
81535	12/22/23	106	Daniel Brown	Verbal Cody	UPS		Net 10
Quantity Ordered	Quantity Shipped	Item Number & Description			Unit Price	Extended Price	
1,500	250	ERW1300402 Itron 100W+ Water Pit Encoder, 2 port with Connectors			\$100.00	\$25,000.00	

Date Rec'd 3-10-25 AH Code 334
 Check # 16720 Mailed _____
 Office Mgr. KH District Mgr. _____

Past due invoices will be assessed 1% interest per month.

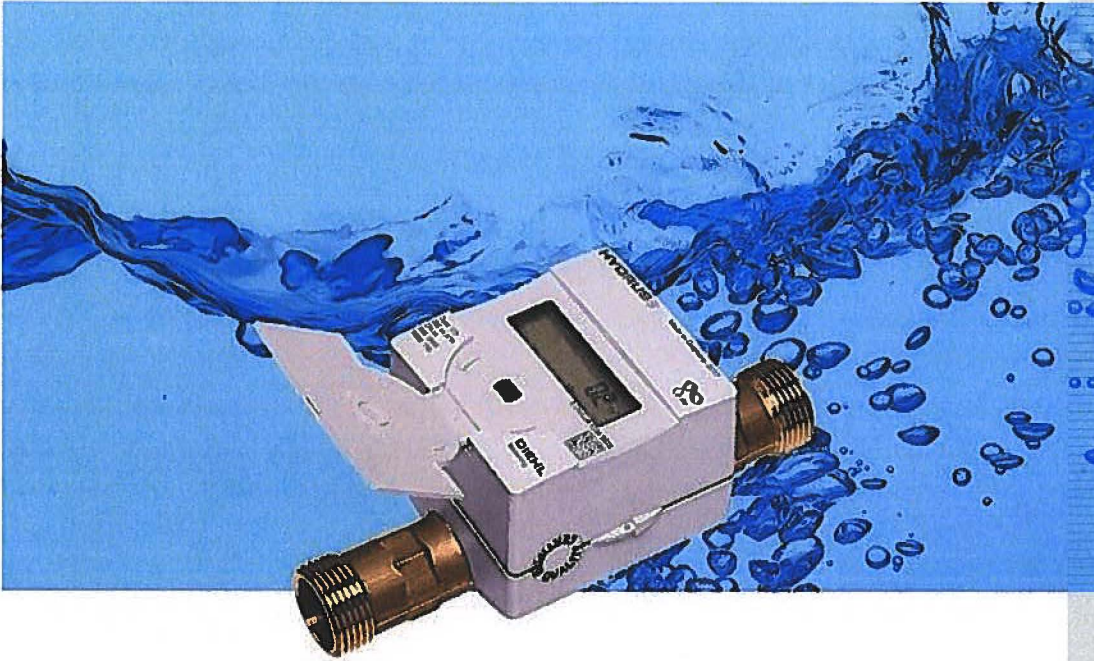
Sales Amount	\$25,000.00
Sales Tax	\$0.00
Freight	\$132.71
Sub-Total	\$25,132.71
Amount Paid	\$0.00
Balance Due	\$25,132.71

Original

HYDRUS

ULTRASONIC METER

DIEHL
Metering



APPLICATION

Highly accurate, lead-free brass ultrasonic smart water meter for residential, commercial and industrial installations.

FEATURES

- ▶ Extreme low-flow accuracy and long term measurement stability
- ▶ Integrated leak detection
- ▶ Mountable in any installation position
- ▶ Lead-free copper alloy body
- ▶ IP68 rated
- ▶ 42 days of hourly data storage
- ▶ Diehl Extended Encoder protocol that includes temperature, alarms and error messages, etc.
- ▶ Meets or exceeds C715 AWWA/ANSI Standards
- ▶ Complies with NSF/ANSI Standards 61, Annex F/G as well as FCC part 15 B

HYDRUS

ULTRASONIC METER

GENERAL TECHNICAL DATA

HYDRUS	
Potable water temperature	°F 33 ... 122
Ambient operating temperature	°F -13 ... 131
Ambient storage temperature	°F -13 ... 158 (90° F max. for one hour)
Maximum operating pressure	psi 300
Power supply	Two 3.6 VDC lithium batteries
Battery lifetime	Up to 20 years
Encoder interface	9 digit programmable resolution industry standard encoder protocol, ASCII output for compatibility with most AMR/AMI systems, Diehl extended protocol is available
Data storage	Alarms and consumption values (42 days of hourly data storage)
Protection class	IP68

TECHNICAL DATA DISPLAY

HYDRUS	
Display indication	LCD, 9-digit, additional symbols/display counter/unit
Units	Flow and volume (gpm, gal, ft ³ , m ³)
Values displayed	Display test - total volume - firmware version / checksum - current flow - errors / alarms (Additional values based on configuration)
Alarms	Hardware flow - leak detection - backflow - air in pipe - low battery - undersized meter - no consumption - high temperature - freezing risk

APPROVAL

HYDRUS	
NSF	Complies with NSF/ANSI Standard 61, Annex F/G
AWWA	Meets or exceeds applicable sections of the AWWA/ANSI C715 Standards
FCC	Complies with FCC part 15 B

MATERIAL

HYDRUS	
Measuring pipe	Lead-free copper alloy (stainless steel 1½" & 2")
Register housing	Engineered polymer
Transducers	Composite
Reflectors	Stainless steel

HYDRUS

ULTRASONIC METER

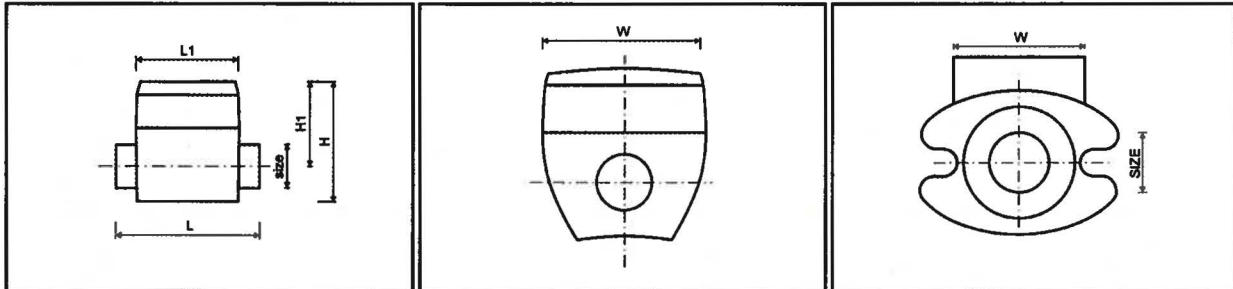
TECHNICAL DATA

Size		5/8" x 1/2"	5/8" x 3/4"	3/4" S	3/4"
Lay length	inch	7 1/2	7 1/2	7 1/2	9
Operating flow range	gpm	0.08 - 22	0.08 - 22	0.1 - 32	0.1 - 32
Low flow range	gpm	0.025 - 0.08	0.025 - 0.08	0.04 - 0.1	0.04 - 0.1
Starting flow	gpm	0.011	0.011	0.017	0.017
Operating range accuracy	%	±1.5	±1.5	±1.5	±1.5
Low flow range accuracy	%	±5	±5	±5	±5
Pressure loss	psi	4.3@15 gpm	4.3@15 gpm	2.0@15 gpm	2.0@15 gpm

Size		1"	1 1/2"	2" +
Lay length	inch	10 3/4	13	17
Operating flow range	gpm	0.1 - 55	0.16 - 100	0.8 - 170
Low flow range	gpm	0.055 - 0.1	0.1 - 0.16	0.55 - 0.8
Starting flow	gpm	0.025	0.038	0.11
Operating range accuracy	%	±1.5	±1.5	±1.5
Low flow range accuracy	%	±5	±5	±5
Pressure loss	psi	1.5@25 gpm	3.5@70 gpm	3.6@110 gpm

*Please contact Diehl Metering US for 2" availability.

DIMENSIONS



Size		5/8" x 1/2"	5/8" x 3/4"	3/4" S	3/4"
Lay length	inch	7 1/2	7 1/2	7 1/2	9
Register length	L1	inch	3.5	3.5	3.5
Register width	W	inch	3.7	3.7	3.7
Overall height	H	inch	4.0	4.0	4.0
Height from center of pipe to top	H1	inch	2.7	2.7	2.7
Nominal thread size		3/4" - 14 NPSM	1" - 11 1/2 NPSM	1" - 11 1/2 NPSM	1" - 11 1/2 NPSM
Net weight	lbs.	2.8	2.8	2.8	3.1

Size		1"	1 1/2"	2" +
Lay length	inch	10 3/4	13	17
Register length	L1	inch	3.5	3.5
Register width	W	inch	3.7	3.7
Overall height	H	inch	4.2	5.3
Height from center of pipe to top	H1	inch	2.8	3.3
Nominal thread size		1 1/4" - 11 1/2 NPSM	oval flanges	oval flanges
Net weight	lbs.	3.5	14.1	19.2

*Please contact Diehl Metering US for 2" availability.