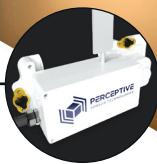# TRANSMIX-ID™

REAL-TIME LIQUID INTERFACE DETECTION IN FLOWING PIPES.

WRAPS PIPE
SENSOR W/ BRACKETS

INDEPENDENT
COMMUNICATION

INDEPENDENT
POWER

NON-DISRUPTIVE
EXTERNALLY MOUNTED INSTALLATION

PERCEPTIVE
SENSOR TECHNOLOGIES

ALERT YOUR TEAM AT CRITICAL STAGES.

- ❯ 1X - 5X R.O.I.
- ❯ Up to 50% Transmix Waste Reduction
- ❯ Savings in Operational Downtime
- ❯ Intrinsically Safe Design
- ❯ Non-intrusive Installation
- ❯ Installs on Any Size Pipe

- ❯ Real-Time Transmix Interface Information
- ❯ Capital Purchase or Lease Option Available
- ❯ WiFi, Cellular, or Satellite Options
- ❯ Multiple Communications Protocol Options
- ❯ Small Footprint (wraps outside of pipe)
- ❯ Low Power (Battery w/solar, hardwired, or PoE)

FLuID™
F L U I D IDENTITY

ACOUSTIC FINGERPRINTING™

SOUNDDATA™

perceptivesensors.com

SPECIFICATIONS

TRANSMIX-iD™
REAL-TIME LIQUID INTERFACE DETECTION IN FLOWING PIPES

PST PRODUCT :	Transmix-ID™

BASE MODEL #	DESCRIPTION
MK1000A	--

PHYSICAL DIMENSION
12.25″ x 8.15″ x 4.25″ (31 cm x 22 cm x 11 cm)

WEIGHT
6.8 lbs (2.98 kg)

TEMPERATURE RANGE
-40°F (-40°C) to +185°F (85°C)

POWER OPTIONS
Power Over Ethernet (PoE)
5V DC Hard Wired
Hardwired with Battery Backup
Battery
Battery with Solar Charging

LIQUID IDENTIFICATION
Liquid IDentification 99.8% Accuracy
Over 290 Liquid ID's in Database
Easily Add New Liquid ID's to Database

TRANSMIX INTERFACE ACCURACY
Sub Second Identification

STORAGE
Up to 5000 readings buffered without network connectivity
Readings are user configurable (seconds or minutes)

NETWORK
10/100 MBPS Ethernet Interface (RJ45)
WiFi: 2.4 GHz Frequency Bands.
802.11 compatible; b/g/n
Serial Communications

DISPLAY
None *inquire if required

USER INTERFACE
User-Determined. Mobile, Desktop or Tablet (details)

BATTERY
Quick Replace 3.6V 19000mAh/DC
Output Lithium Primary Battery Pack

FluID™ FLUID IDENTITY   ACOUSTIC FINGERPRINTING™   SOUNDDATA™   perceptivesensors.com

MODEL NUMBER

TRANSMIX-ID™

REAL-TIME LIQUID INTERFACE DETECTION IN FLOWING PIPES

PST PRODUCT: Transmix-ID™

BASE MODEL #	DESCRIPTION
MK1000A	--
('A' is the version)	

HOUSING STYLE

B1	Integral Sensor and Electronics
B2	Sensor & Electronics Separate Compartments with 6″ Cable and 2″ Pipe Mount Bracket

MOUNTING SURFACE

C2	Curved

FASTENING METHOD

PC	Pipe Clamp
EP	Epoxy
WE	Weld
MA	Magnet

PIPE SIZE

LIST 2 DIGITS '--'	*04″ to 72″*

POWER

1	Internal Battery (Not intended for long term installations)
2	Battery with Solar Backup (Class 1, Division 2 MAX)
3	Hardwired DC Power 5V (no battery included)
4	Hardwired DC Power 5V (Backup Battery included)
5	Power Over Ethernet (PoE) (no battery included)
6	Power Over Ethernet (PoE) (Backup Battery included)

COMMUNICATIONS

W1	WiFi - 2.4 GHz	Supported : 802.11 b/g/n
C1	Cellular (AT&T)	
C2	Cellular (Verizon)	
S1	Satellite (Requires additional Satellite device)	
H1	Hardwired - Ethernet only	
H2	Hardwired-Serial (RS232 or RS485)	
R1	Redundant Cellular	
BT	Bluetooth LE	
L1	LoRa (Long Range low-power wide-area network protocol)	

COMMUNICATION PROTOCOL

MBUS	Modbus
MRTU	Modbus RTU
EIP1	Ethernet I/P TCP
EIP2	Ethernet I/P UDP
POE1	Power Over Ethernet (IOT)
OMF1	Open Message Format (OMF)
MQTT	MQ Telemetry Transport (SCADA)
NONE	Not Required by Customer

ENCLOSURE / CLASSIFICATION

11	IP68 / Explosion Proof Case
GP	NEMA 4X / General Purpose

ID DATABASE MATERIALS

D01	1 Material Database Items	*D** Indicate Number of Required Accessible Material Database Items*
D05	5 Material Database Items	
D20	20 Material Database Items	

ORDERING PROCESS

	BASE MODEL	HOUSING	SURFACE MOUNTING	FASTENING	PIPE SIZE	POWER	COMM.	PROTOCOL	CLASS	DATABASE
(example)	MK1000A	B1	C2	PC	04	1	W1	MBUS	11	D01

YOUR ORDER:

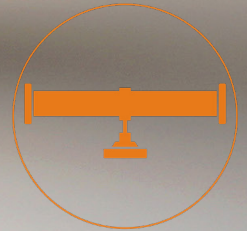|	MK1000A									
	BASE MODEL	HOUSING	SURFACE	FASTENING	PIPE SIZE	POWER	COMM.	PROTOCOL	CLASS	# of DATA ITEMS
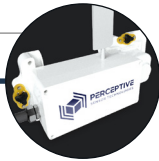
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DISTINGUISH REAL-TIME

REAL-TIME IDENTIFICATION THAT SAVES BARRELS.

TRANSMIX-iD™

HIGH-YIELD, NON-INTRUSIVE AND NON-DISRUPTIVE SOLUTION TO TRANSMIX

info@perceptivesensors.com

Perceptive Sensor Technologies

Zimco Instrumentation Inc.
11141 15 Street NE, Calgary, AB, T3K 0Z5, Canada
Phone: 403-253-8320
Email: info@zimco.ca
Website: www.zimco.ca

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MADE IN THE USA