



PST | MODEL MK1000A

TRANSMIX-ID™

REAL-TIME LIQUID INTERFACE DETECTION IN FLOWING PIPES.

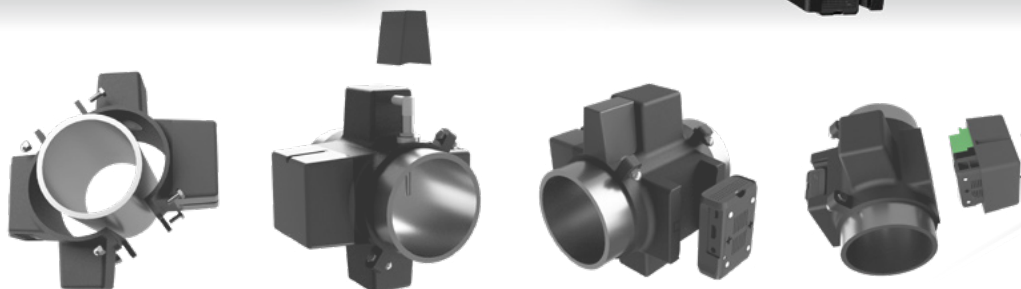
WRAPS PIPE

SENSOR

**HIGH
YIELD**

NON-DISRUPTIVE
EXTERNALLY MOUNTED INSTALLATION

100% **87 OCTANE GAS** **TRANSMIX** WASTE 100% **JP-8 FUEL**



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 or hard wired)

FLUID™
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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 +160°F (71°C)



POWER OPTIONS

Power Over Ethernet (PoE) 802.3AF
5V DC Hard Wired
Battery Backup



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



FLOWRATE ACCURACY

+/- 1% of rate



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



DISPLAY

OLED 2.4" (128 X 64) 128 characters



USER INTERFACE

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



BATTERY

Quick replace 5V 11000mAh/DC
Output Lithium Ion Battery Pack



MODEL NUMBER

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

PST PRODUCT: Transmix-ID™

BASE MODEL # DESCRIPTION

MK1000A
(‘A’ is the version)

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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

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

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

OMF1

Open Message Format (OMF)

POE1

Power Over Ethernet (IOT)

MQTT

MQ Telemetry Transport (SCADA)

NONE

Not Required by Customer



ENCLOSURE / CLASSIFICATION

I1

IP68 / Explosion Proof Case

IS

NEMA 4X / Intrinsically Safe Design

GP

NEMA 4X / General Purpose

ORDERING PROCESS

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

YOUR ORDER:

MK1000A

BASE MODEL HOUSING SURFACE FASTENING PIPE SIZE POWER COMM. PROTOCOL CLASS





DISTINGUISH REAL-TIME
REAL-TIME IDENTIFICATION THAT SAVES BARRELS.

TRANSMIX-ID™

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



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