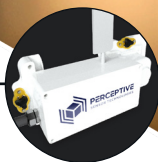




PST | MODEL MK1000A

TRANSMIX-ID™

REAL-TIME LIQUID INTERFACE DETECTION IN FLOWING PIPES.



WRAPS PIPE
SENSOR W/ BRACKETS

INDEPENDENT
COMMUNICATION
INDEPENDENT
POWER

NON-DISRUPTIVE
EXTERNAL MOUNTED INSTALLATION



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)



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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 +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





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
B2

Integral Sensor and Electronics
Sensor & Electronics Separate Compartments
with 6" Cable and 2" Pipe Mount Bracket



MOUNTING SURFACE

C2

Curved



FASTENING METHOD

PC
EP
WE
MA

Pipe Clamp
Epoxy
Weld
Magnet



PIPE SIZE

LIST 2 DIGITS ‘--’

04" to 72"



POWER

1
2
3
4
5
6

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



COMMUNICATIONS

W1
C1
C2
S1
H1
H2
R1
BT
L1

WiFi - 2.4 GHz
Cellular (AT&T)
Cellular (Verizon)
Satellite (Requires additional Satellite device)
Hardwired - Ethernet only
Hardwired-Serial (RS232 or RS485)
Redundant Cellular
Bluetooth LE
LoRa (Long Range low-power wide-area network protocol)

Supported : 802.11 b/g/n



COMMUNICATION PROTOCOL

MBUS
MRTU
EIP1
EIP2
POE1
OMF1
MQTT
NONE

Modbus
Modbus RTU
Ethernet I/P TCP
Ethernet I/P UDP
Power Over Ethernet (IOT)
Open Message Format (OMF)
MQ Telemetry Transport (SCADA)
Not Required by Customer



ENCLOSURE / CLASSIFICATION

11
GP

IP68 / Explosion Proof Case
NEMA 4X / General Purpose



ID DATABASE MATERIALS

D01
D05
D20

1 Material Database Items
5 Material Database Items
20 Material Database Items

*D** Indicate Number of Required Accessible Material Database Items*

ORDERING PROCESS

BASE MODEL	HOUSING	SURFACE	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

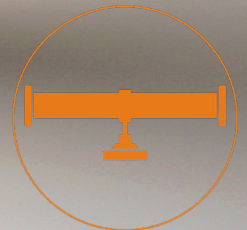




DISTINGUISH REAL-TIME
REAL-TIME IDENTIFICATION THAT SAVES BARRELS.

TRANSMIX-ID™

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



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 Perceptive Sensor Technologies



PERCEPTIVE
SENSOR TECHNOLOGIES

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