

New
Product

TD SAMPLE THIEF

Online water analyzers can be challenged by process upsets and unexpected conditions that push measurements out of range or foul the sensor. Because upset conditions can be short lived, they make it difficult to collect a sample.

The TD Sample Thief collects a water sample on command with a manual button push or signal from an online water analyzer or control system. A sample cylinder, sequenced isolation valves and flexible control system allow collecting a discrete water sample for detailed analysis at the operator's convenience. When the sample is collected, time, date, measured concentration and process conditions are recorded and the operator is alerted.

In addition to collecting samples triggered by upset conditions, the TD Sample Thief can also collect samples for periodic monitoring. These samples can be prepared for analysis with solvent extraction or the No Solvent Method directly in the sample cylinder.

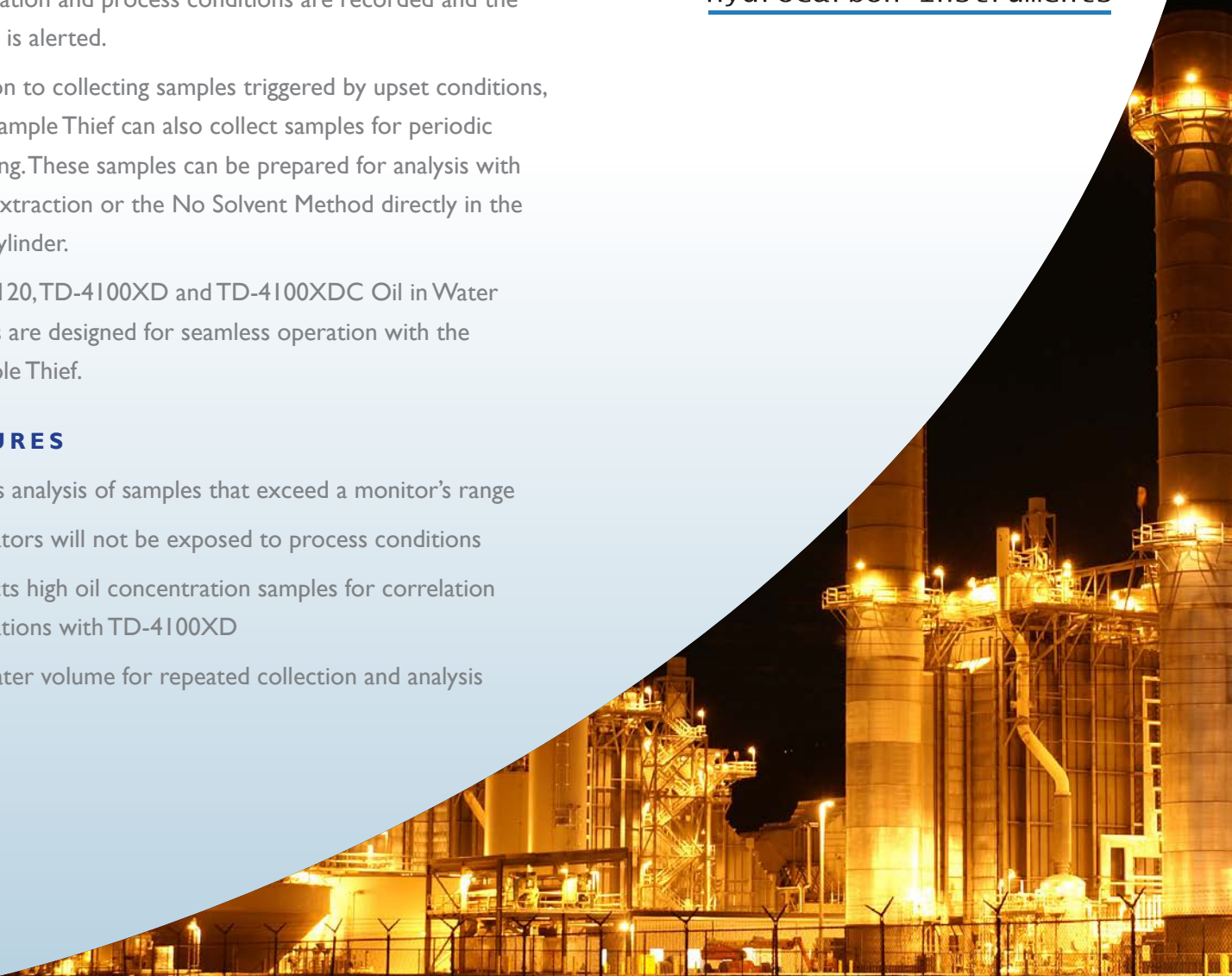
The TD-120, TD-4100XD and TD-4100XDC Oil in Water Monitors are designed for seamless operation with the TD Sample Thief.

FEATURES

- Allows analysis of samples that exceed a monitor's range
- Operators will not be exposed to process conditions
- Collects high oil concentration samples for correlation calibrations with TD-4100XD
- Set water volume for repeated collection and analysis



**TURNER DESIGNS**
Hydrocarbon Instruments



TD SAMPLE THIEF

#1 Worldwide
for process and environmental
oil in water monitors

S P E C I F I C A T I O N S

Power Supply	120VAC 60 Hz
Power Consumption	100 W
Ambient Temperature Range	32–131 °F (0–55 °C)
Process Temperature Range	32–131 °F (0–55 °C)
Maximum Process Pressure	200 psig
Flow Rate	0.3–0.8 GPM
Enclosure	NEMA 4X
Wetted Material	316/316L Stainless Steel, PTFE valve packing
Sample Tubing Size	1/4 inch 316SS
Signal In Requirement	100–240 VAC 60 Hz @ 0.6 mA discreet
Signal Out Requirement	5–30 VDC or 24–250 VAC, 8 A maximum
Options	<ul style="list-style-type: none"> • 100 ml or 1 L sample cylinder • Sample preparation in the cylinder kit • Extra cylinder, recommended option • Erosion and corrosion resistant wetted parts



Turner Designs Hydrocarbon Instruments, Inc. is the worldwide leader in the application of field portable, laboratory, and online continuous process monitors for measuring and monitoring hydrocarbons in water. Our monitors are exclusively based in UV and visible fluorescence technology.

Detection limits for crude oil, gasoline, diesel fuel, jet fuel, and fuel oils have been demonstrated as low as 10 ppb (ug/L) in distilled water. We routinely customize our systems to meet highly specialized monitoring projects especially in the offshore oil production market.

We provide highly skilled field support from a global dealer network. Service personnel are deployed from regional support centers in North America, Asia, Europe, West Africa, and the Middle East.

TURNER DESIGNS
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