

VENDOR CATALOG / ICON PROCESS CONTROLS

Icon Process Controls Catalog

"Corrosion-Free Instrumentation Equipment" – analytical, flow, level, pressure, and leak detection instrumentation for chemical process service.

ANALYTICAL INSTRUMENTS

P14 Series pH Sensors – HF Concentration Split

The ProCon P14 Series splits pH sensor models by named process condition, including a real quantified hydrofluoric acid concentration threshold.

Model	Process Condition	Range
P14H	HF Acid < 4000 ppm	0–12 pH
P14F	HF Acid > 4000 ppm	2–12 pH
P14S	Seawater	0–14 pH
C750 (Conductivity)	Toroidal, PPI/PFA, fouling-resistant	0–500,000 µS

All P14 models share PTFE Teflon® NEXUS® liquid junction with double salt bridge and PP polypropylene shell.



FLOW METERS

TI/TK Paddle Wheel · UltraFlo · ProPulse

Model	Body Material	Notable
TI/TK Paddle Wheel	PVC/PP/PVDF/316SS	Zirconium Ceramic rotor/bearings, ETFE Tefzel® paddle, no K-factor programming
UltraFlo 1000	PFA Teflon®	-40 to 248°F, widest temp range in the ultrasonic line
ProPulse® Turbine	PVDF, optional Kalrez® O-ring	Flow as low as 0.01 GPM — explicitly marketed for metering/dosing
UFS Liquid Flow Switch	Ryton (PPS)	212°F, 150 psi — pump-dry protection



LEVEL SENSORS

Submersible · ProScan® Radar · MLR-70

Model	Materials	Notable
200C Submersible	PVC/PP/PVDF/PTFE/316SS, Kalrez® seal	±0.125% optional accuracy – tightest tolerance in this catalog
300S Submersible	Fully welded 316SS	No elastomer diaphragm at all – zero-elastomer chemical exposure
MLR-70 Guided Wave Radar	FEP Teflon-coated probe	Named for Liquid Chemical Storage and Chemical Sumps; not affected by vapor/outgassing

PRESSURE GAUGES & TRANSMITTERS

Direct-Diaphragm · Gauge Guard · DPS50i

A gauge guard lets a standard, cheaper gauge movement handle a chemical it otherwise couldn't tolerate, at a real accuracy trade-off ($\pm 0.75\%$ direct-diaphragm vs. $\pm 1.5\%$ gauge-guard-isolated).

Model	Spec	Notable
OBS-TT	0-160 psi, 2.5" dial	"Tell Tale" peak-hold pressure spike indication
PRD/PPT Transmitters	$\pm 1.0\%$ std / $\pm 0.25\%$ precision	PP/PVDF/316L housing, 0-150 psi
DPS50i	0-362.5 psi	Highest pressure rating in this vendor's transmitter line





LEAKPRO® LEAK DETECTION

LDS-YN · LDC Cable · ProAlert® XPA

Product	Technology	Notable
LDS-YN Sensor	Electrostatic (conductive liquids/solids)	Engineered for double-wall tank interstitial space, retention dikes, secondary containment sumps
LDC Cable (CablPro®)	Self-wicking, continuous zone detection	For dual containment or insulated piping systems
ProAlert® XPA	120/180dB alarm	Only ATEX hazardous-area rated alarm in the line





NEXT STEP

Send LibertyCES the process data, not a part number.

Analytical, flow, level, pressure, and leak detection instrumentation — real Icon Process Controls model specs, but your actual application still has a specific chemical, concentration, and process condition that determines the correct model.

Fluid, chemistry, concentration, temperature, pressure, and the parameters you need to monitor — that's what a real spec review needs to start.

Request a spec review

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