




WiC287TM
Wireless Cablehead

The product name "WiC287" is displayed in a large, white, sans-serif font on the dark grey background. A small "TM" trademark symbol is located at the top right of the number "7". Below the product name, the words "Wireless Cablehead" are written in a smaller, white, sans-serif font. The text is positioned on the dark grey side of the large, curved graphic.

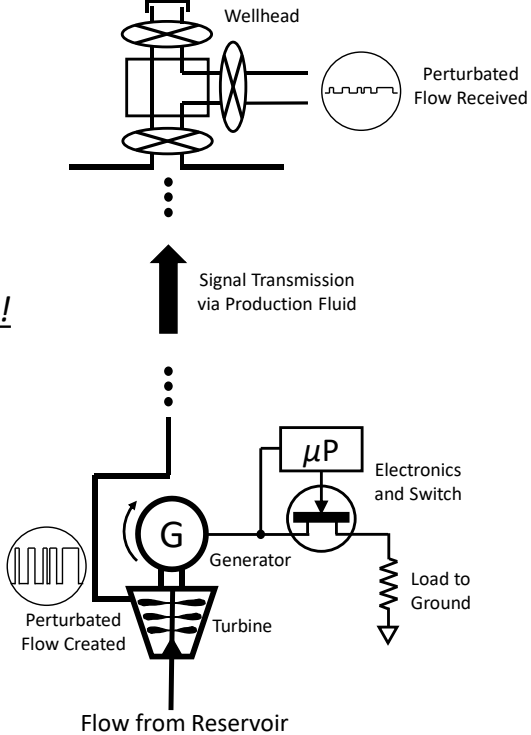

Why WINS?

- WINS has developed wimotm Wireless Gauge with Perturbated Flow Communication PFCOM[®]
- PFCOM generates power, communicates wirelessly, and measures flow.
- WINS has several spinoff products that use PFCOM:

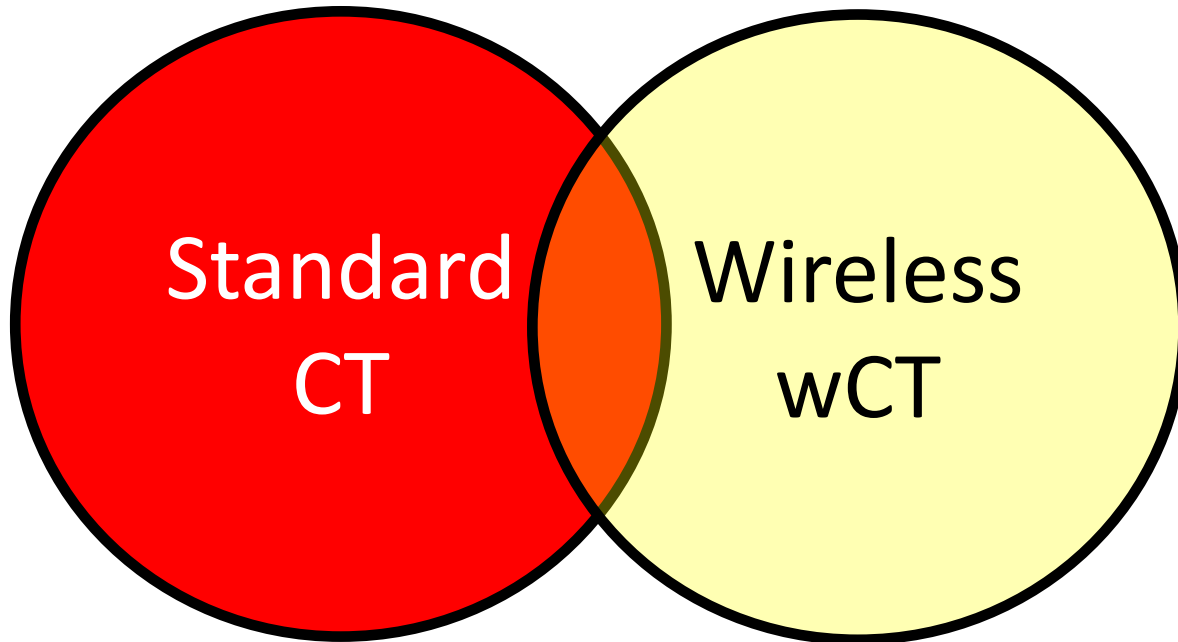
What is wimotm?



- World's first practical, wireless production monitoring system
- Measures pressure, temperature, and flow rate!
- Novel downhole telemetry requires no repeaters!
- Solar powered surface system brings secure well data to your Smart devices

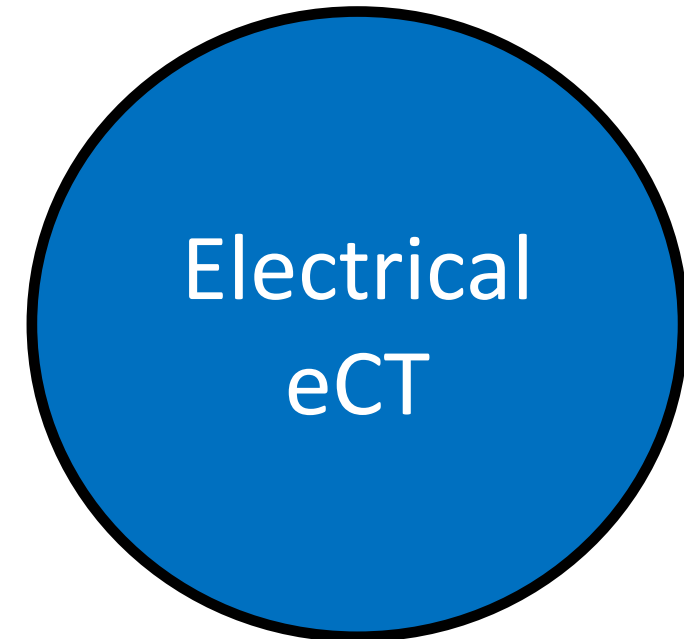


Future Coiled Tubing Options



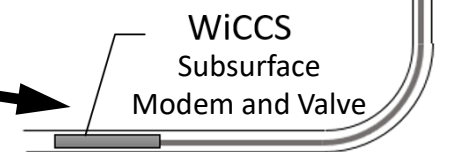
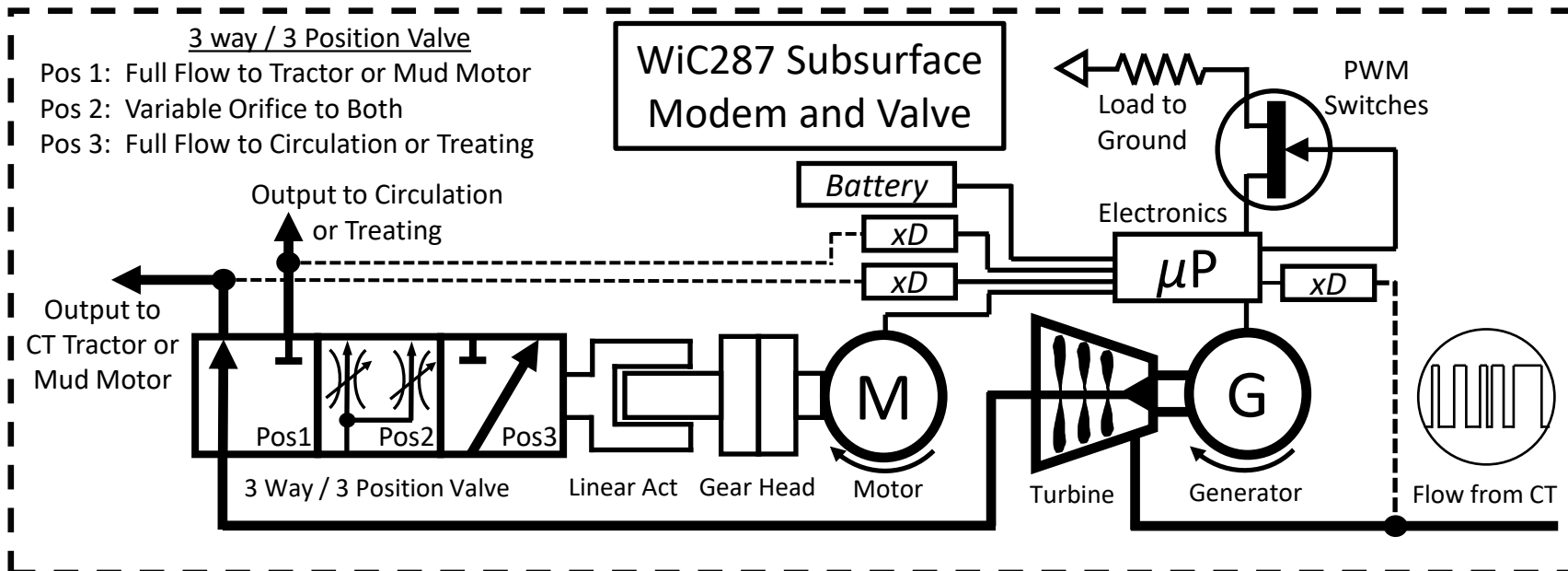
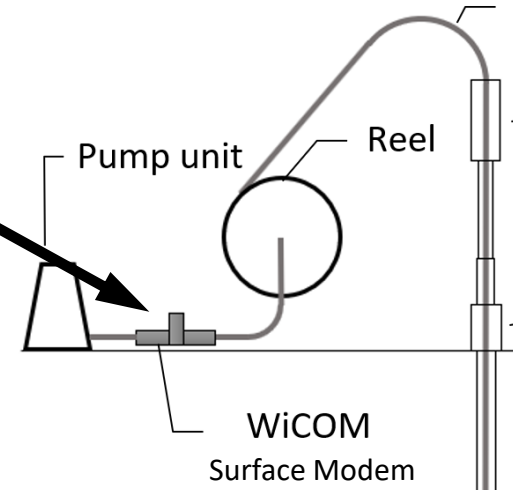
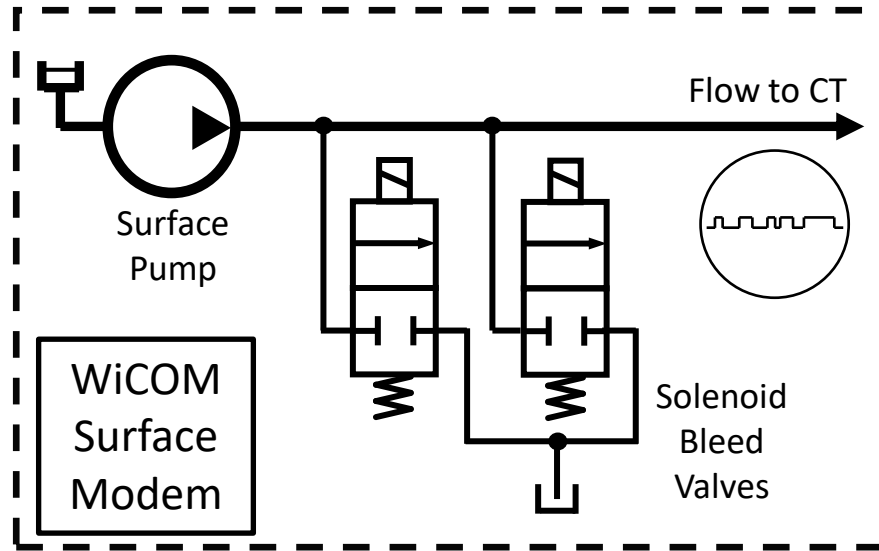
- Hydraulic Only
- Simple Rigup and Stocking

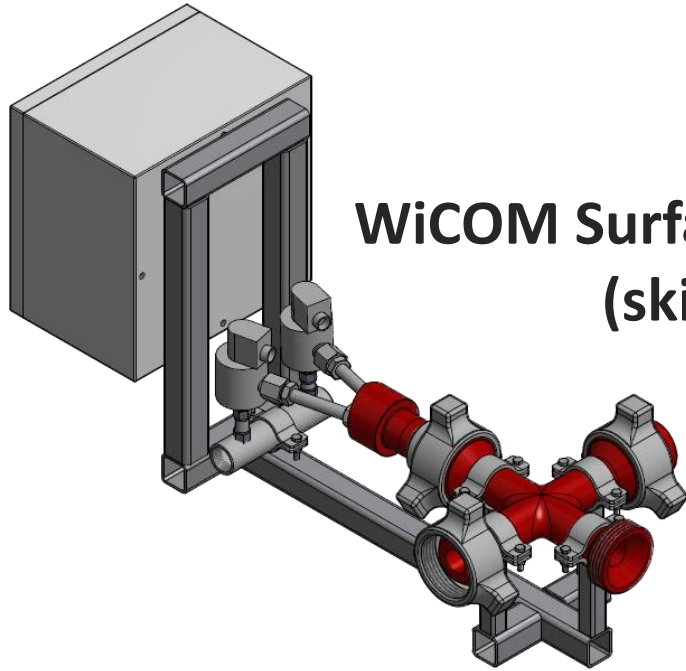
- Hydraulic and Electrical
- Low Bandwidth
- Med Power (200+ W)
- Still quite simple



- Hydraulic and Electrical
- Med Bandwidth
- High power (1000+ W)
- Complex (both sys req'd?)

WiC287 System Components





**WiCOM Surface Modem
(skid)**



User Interface

WiC287 Subsurface Modem



WiC 287 Layout



WiC 287 Specs:

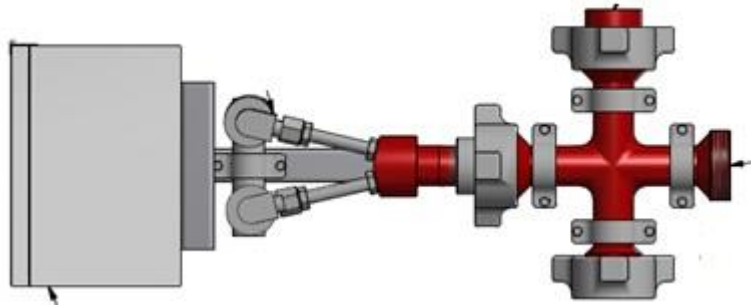
Tool OD	2.875"
Tool length	5 ft
Data refresh rate	≤ 2 min or less
Power production	150 W (Max)
Flow Rates:	0.25 – 8 BPM (3 turbine choices)
Pressure rating	10 ksi
Temperature rating	150 °C
Compression/Tension	-10,000 to 20,000 lbs



User Interface

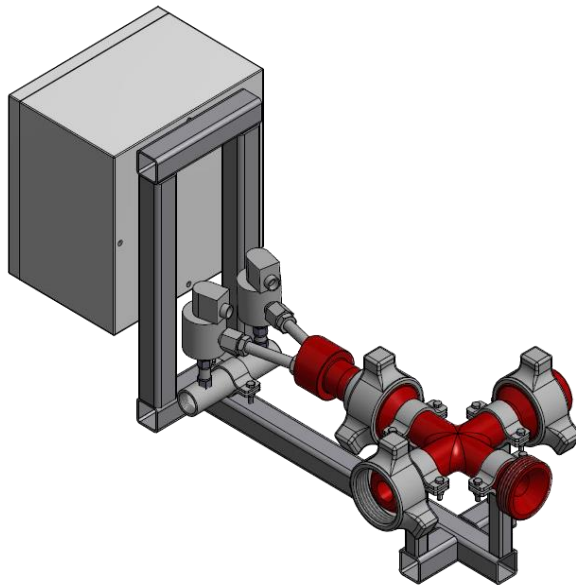
- Touch based user interface. Windows® 10 compatible
- WiFi connection between tablet and WiCOM
- User protocol enables multiple viewers
- Push select Mode selection of WiCCS Modes
- Push select activation and status feedback of ALADIN
- Presents live dashboard of Mode selected data from WiCCS
- Plot window presents historic data during the stimulation job

WiCOM Surface Modem



WiCOM Specs:

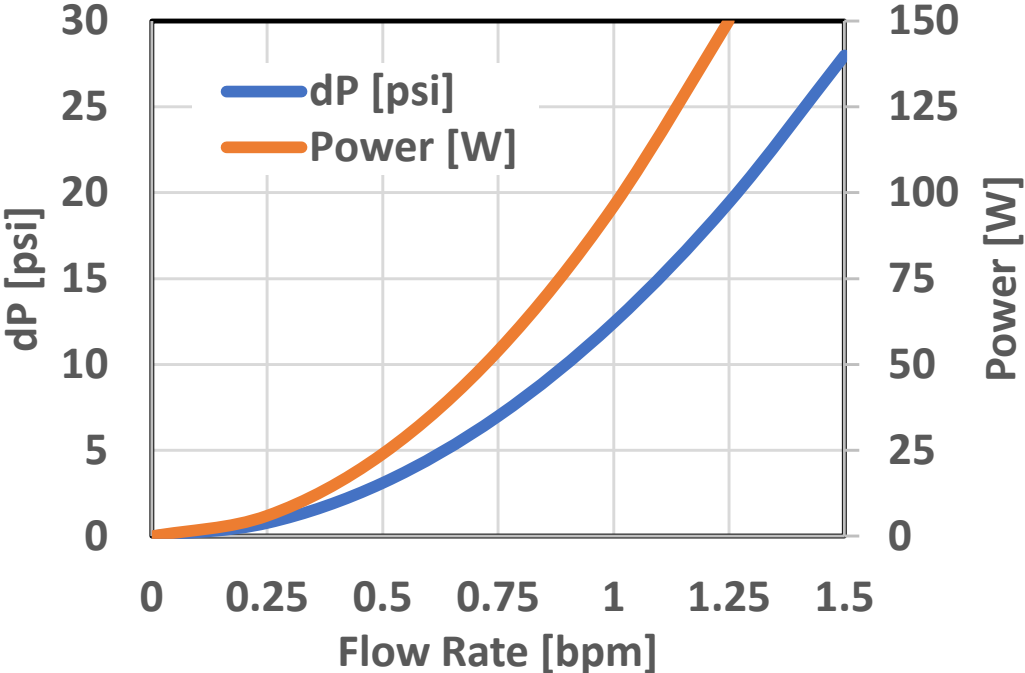
Fluid line connections	2" 1502 Hammer Union*
Footprint	4' x 1.5'
Weight	100 [lbs]
Pressure rating	10,000 [psi] minimum
Temperature rating	-10 - 55 [°C]
Power consumption	24VDC, 50 [W] (Max)



Max and Min Turbine Choices

Turbine Generator #1 - WiC 287

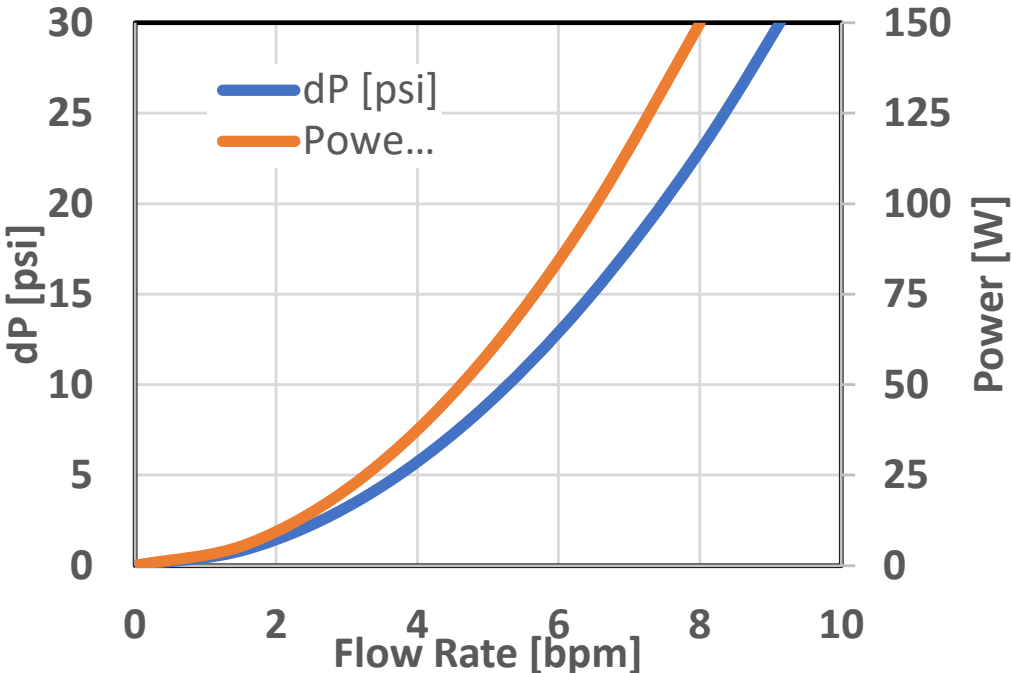
Calculated Performance Curves



Low Flowrate Turbine

Turbine Generator #2 - WiC 287

Calculated Performance Curves



High Flowrate Turbine

- Power (W) is quoted as three-phase unregulated AC
- Regulated DC in several voltages can be specified
- 90% efficiency on regulated DC

BECOME TRULY DIGITAL

WINS 

LIVE WELL DATA IS KEY