**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built-in I/O</td>
<td>12 AI (1 to 5 V DC), 2 AO (4 to 20 mA), 16 DI, 8 DO, 2 AI (0 to 32 V DC) for battery power monitoring</td>
</tr>
<tr>
<td>Communication</td>
<td>One Ethernet, Three RS-232 (up to 115.2 kbps for one port), One RS-422/RS-485 (up to 115.2 kbps)</td>
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<tr>
<td>Supply voltage</td>
<td>10 to 30 V DC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1.6 to 2.9 W</td>
</tr>
<tr>
<td>Expansion</td>
<td>Up to 3 modules (6 modules available*)</td>
</tr>
<tr>
<td>Reliability</td>
<td>ECC memory and Power fail-safe file system</td>
</tr>
<tr>
<td>IT technology</td>
<td>Web server and data logging</td>
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<tr>
<td>Output signal</td>
<td>1 to 5 V DC with HART 7</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>9 to 28 V DC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>27 mW (Current consumption 0.96 mA to 3 mA)</td>
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<tr>
<td>Wiring</td>
<td>Three or four</td>
</tr>
<tr>
<td>Output load</td>
<td>1 MΩ or greater</td>
</tr>
<tr>
<td>Reference accuracy</td>
<td>±0.055% of span</td>
</tr>
<tr>
<td>Stability</td>
<td>±0.1% of URL per 7 years</td>
</tr>
<tr>
<td>Measurement range</td>
<td>Up to 70 MPa (Direct mount type)</td>
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</table>
Yokogawa’s low power solution helps you to see the process flow more clearly

Minimize Installation Costs
Solar batteries and panels dominate the installation cost. Yokogawa’s low power solution is best practice for solar battery systems, even thriving under extreme ambient temperatures, from -40°C to 70°C. It’s super low power enables solar panel and battery size to be kept to a minimum and it is adequate for a wide range of power to handle unstable power sources. Furthermore, even if the solar power drops out of this range, FCN-RTU can detect it.

Reduce Running Costs
Running costs for monitoring and maintaining remote utilities can’t be overlooked. DNP3 embedded in FCN-RTU contributes to the reduction of running costs by sending site information using the least amount of packets over mobile networks. Also the number of site visits required to recalibrate transmitters is reduced thanks to Yokogawa’s unique silicon resonant sensor technology which realizes high measurement accuracy and long stability.

Save Maintenance Costs
Usability is non-negotiable for maintenance at site. Basic transmitter settings do not require a PC but can be done on the transmitters and the modification of applications on FCN-RTU requiring engineering knowledge can be done from a central location without interrupting control.

Supervising and control water flow over the geographically distributed area is important to prevent fluid loss and disaster for fiscal and safety reasons. However remote locations are difficult to monitor due to the lack of social infrastructure such as power or network. Yokogawa’s low power solution offers the best performance for control and monitoring variety of water applications.

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## Specifications

### Built-in I/O
- 12 AI (1 to 5 V DC), 2 AD (4 to 20 mA),
- 16 DI, 8 DO,
- 1 AI (0 to 32 V DC) for battery power monitoring

### Communication
- One Ethernet,
- Three RS-232 (up to 115.2 kbps for one port),
- One RS-422/RS-485 (up to 115.2 kbps)

### Supply voltage
10 to 30 V DC

### Power consumption
1.6 to 2.9 W

### Expansion
Up to 3 modules

### Reliability
ECC memory and Power fail-safe file system

### IT technology
Web server and data logging

### Communication
DNP3 and Modbus embedded

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## Specifications

### Output signal
1 to 5 V DC with HART 7

### Supply voltage
9 to 28 V DC

### Power consumption
27 mW (Current consumption 0.96 mA to 3mA )

### Wiring
Three or four

### Output load
1 MO or greater

### Reference accuracy
± 0.055% of span

### Stability
± 0.1% of URL per 7 years

### Measurement range
Up to 70 MPa (Direct mount type)