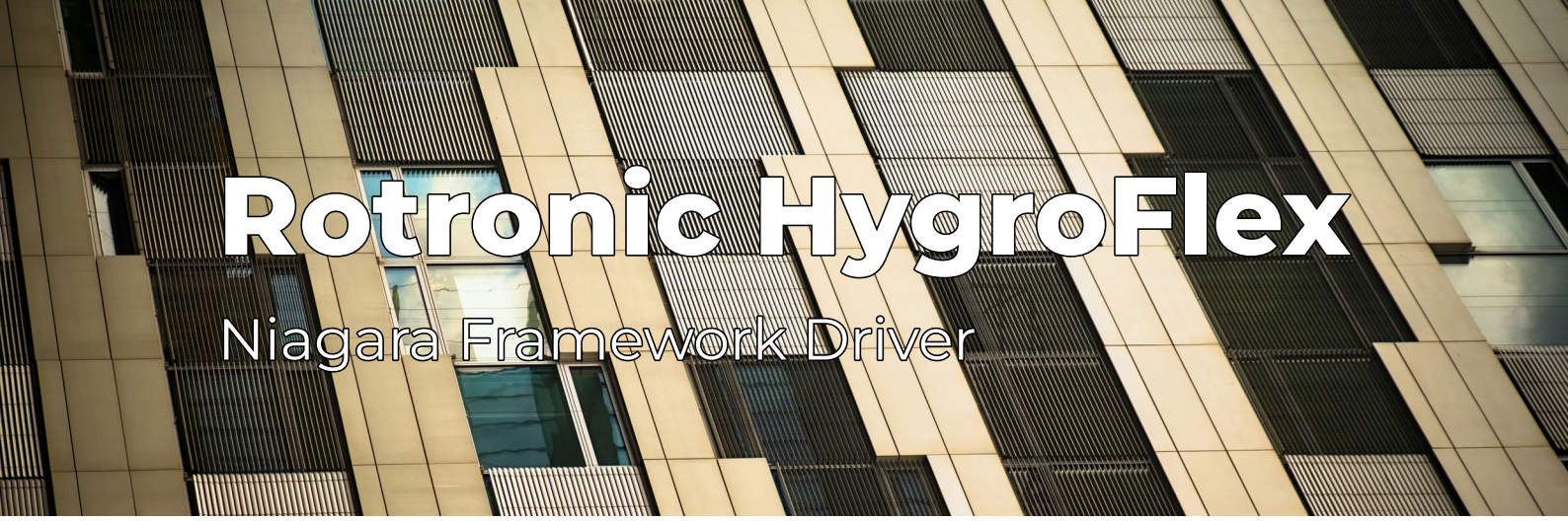

Rotronic HygroFlex

Niagara Framework Driver

The Rotronic HygroFlex driver integrates Swiss-engineered Rotronic environmental sensors with Tridium Niagara, providing precision monitoring of temperature, humidity, dew point, and psychrometric conditions.
The driver supports the complete Rotronic HygroFlex sensor range, delivering measurement accuracy of +/-0.8% RH and +/-0.1 degrees C. Sensors are discovered automatically with all measurement channels and calibration data accessible from the Niagara interface.
Configurable alarm thresholds enable proactive environmental monitoring for cleanrooms, museums, data centers, pharmaceutical facilities, and other humidity-critical environments.
The driver connects via RS-485 (up to 64 sensors per bus) or TCP/IP, providing flexibility for any installation scenario.

- ✓ Works with all Rotronic HygroFlex sensors
- ✓ RS-485 and TCP/IP connectivity options
- ✓ Up to 64 devices per RS-485 network
- ✓ Multiple RS-485 ports per JACE for independent networks
- ✓ Automatic sensor discovery
- ✓ Temperature, humidity, and dew point monitoring
- ✓ Psychrometric calculations
- ✓ Configurable alarm thresholds
- ✓ Sensor calibration data access
- ✓ No annual fees
- ✓ Free technical support and upgrades

Rotronic HygroFlex HF5 Transmitter

SUPPORTED DEVICES

HF53	HF56	HF83	HF85
HF54	HF566	HF84	HP22
HF556	HF557	HF86	HP23-A

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE with RS-485 port or TCP/IP network access
- ✓ Rotronic HygroFlex driver license

CONNECTIVITY

RS-485

Connect up to 64 Rotronic sensors on a single RS-485 bus at 9600 or 19200 baud.

TCP/IP

Connect sensors individually over TCP/IP for locations with existing Ethernet infrastructure. Provides direct point-to-point communication.

ORDERING INFORMATION

Part Number	Description
RTR-J-05	Rotronic for JACE, 5 sensors
RTR-J-20	Rotronic for JACE, 20 sensors
RTR-J-UNL	Rotronic for JACE, unlimited sensors
RTR-SUP	Rotronic for Supervisor, first 10 sensors
RTR-SUP-10	Rotronic for Supervisor, extra 10 sensors