

# LabJack

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## EI1050 Digital Temperature/Humidity Probe

Uses two digital lines on any LabJack to retrieve temperature and relative humidity measurements. Featuring the Sensirion SHT11 sensor, it provides 14-bit temperature readings and 12-bit humidity readings. An enable line is provided to allow multiple EI-1050 probes to be connected to a single LabJack.

- Temperature Range: -40 to +120 °C
- Temperature Accuracy:  $\pm 0.5$  °C @ 25 °C
- Humidity Range: 0-100 %RH
- Humidity Accuracy:  $\pm 3.5$  %RH
- Made by Electronic Innovations Corp.

For more information, see [The EI-1050 Datasheet](#) and our optional [Testing/Setup Utility](#).

### End Of Life (EOL) Notice:

The EI-1050 from Electronic Innovations Corporation has been discontinued as Sensirion no longer makes the sensor used in the EI-1050.

Available alternatives are probes based on the SHT3X digital output sensor, such as the SHT35 which is more accurate than the SHT11 that was used in the EI-1050. We might start selling a digital SHT3X probe at some point, but you can get probes using the SHT35 on Amazon right now:

<https://smile.amazon.com/gp/product/B07RSYB6C4>

<https://smile.amazon.com/gp/product/B07ZGD8FKB>

The SHT3X uses I2C, which is slightly different (i.e. not drop-in compatible) than the SBUS protocol used by the SHT11. Available support:

- LJM (T4, T7) - We have code examples in Python and Lua as well as high level support starting in T7 beta firmware 1.0305+ and T4 beta firmware 1.0029+. See the [SBUS](#) documentation for additional information.
- UD (U3, U6, UE9) - We will likely be able to provide code examples on demand for most languages, but doubt that device firmware or the UD driver will be changed to provide higher level support than that.
- U12 - No support for SHT3X, as the U12 does not support I2C.

## Information

**Stock Status:** In Stock**Compatible Products:**U3T7U6UE9U12T4

\$121.00

Quantity Discounts:

1 - 9 = \$121.00 per unit

10 - 29 = \$114.95 per unit

30+ = \$108.90 per unit

**Quantity**