

## INDIGO520 Transmitter



### Features/Benefits:

- Optional touchscreen LED Display for configuration and numerical and graphical readings
- Supports up to (2) Indigo smart probes simultaneously
- Compatible with all Indigo smart probes: HMP1, HMP3, HMP4, HMP5, HMP7, HMP8, HMP9, TMP1, DMP5, DMP6, DMP7, DMP8, GMP251, GMP252, MMP8, HPP271, HPP272
- (4) galvanically isolated analog output channels configurable for current or voltage outputs
- (2) configurable relay contacts
- (1) 2-wire current loop analog input
- Ethernet connection with web interface available for remote access to live readings
- Modbus<sup>®</sup> TCP/IP communication protocol over Ethernet
- Data logging capabilities for all measurement parameters
- IP66 rated metal enclosure
- Powering options including Power over Ethernet (PoE+), 15 ... 35 VDC / 24VAC, or 100 ... 240 VAC Universal AC-Power with external power chord
- Optional Vaisala BAROCAP<sup>®</sup> barometric pressure module
- UL Listed in USA and Canada

### Summary:

The Indigo520 Transmitter is designed for use with up to (2) Indigo smart probes simultaneously. Transmitter must also be compatible with Indigo80 Handheld Indicator, as well as the [Insight PC Software](#). Transmitter is to be powered by Power over Ethernet (PoE+), 15 ... 35 VDC / 24 VAC  $\pm 20\%$  50/60 Hz, max. current 2 A, or AC (mains) power (100 ... 240 VAC 50/60 Hz, max. current 1 A) with an external power chord. Transmitter to have (4) galvanically isolated analog output channels configurable for 0 ... 1 V, 0 ... 5 V, 0 ... 10 V, 0 ... 20 mA, or 4 ... 20 mA. Transmitter to also support digital output using Modbus<sup>®</sup> TCP/IP. Housing material is to be AISi10Mg metal and rated to be IP66. Optional display material is strengthened glass (IK08). Available mounting options include direct mounting of the transmitter housing, DIN rail kit, retrofit adapter plate (designed for when the Indigo510 is replacing the HMT330, DMT340, or PTU300 Transmitter), outdoor installation kit, or pole mounting kit. Transmitter to have (2) configurable relays (SPDT). Transmitter to have option to add Vaisala BAROCAP<sup>®</sup> barometric pressure module. Operating temperature range shall be -20 ... +55 °C (-4 ... +131 °F) with the display, -40 ... +60 °C (-40 ... +140 °F) without the display, and -40 ... +55 °C (-40 ... +131 °F) without the display or barometer module. Transmitter shall be rated to be installed up to 3000 m with AC (mains) power, and up to 4000 m when using PELV or PoE power. Ethernet connection shall allow for web interface access for remote configuration and monitoring via smart phone or PC. Integrated data-logging capabilities must include a non-volatile memory, accounting for at least 10 years of storage with a 24 hour logging interval.