

Signal Transmitters, converters and trip amplifiers



Handheld or PC programming

- Simple to install and commission
- Hand held programmer unit option
- PC Programming kit option
- Clear Plain English operating manuals
- Isolated, scalable 4-20mA / 0-10V output
- Isolated RS485 data port as standard
- Detachable screw terminal connectors
- 95-265 VAC power supply option
- 11-30 VDC power supply option
- Add-on 4 alarm relay module
- Slim case only 22.5mm wide
- Low cost and fast delivery

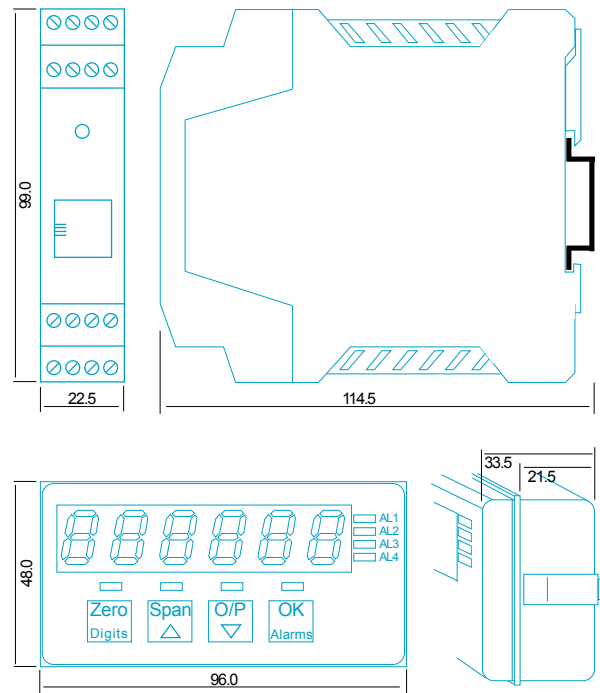
Operating manuals and more technical detail at london-electronics.com/signal-transmitters.php

The new INT-X series of DIN rail transmitters and alarm units offers important time-saving advantages to busy engineers.

A hand-held user-friendly programmer lets you set up each unit in situ or in the workshop. Or if you prefer, you can use a PC. Scaled output of 4-20mA, 0-10V, RS485 etc.

Whichever setup method you use, you'll be delighted to see that we designed everything to be EASY for you.

Plus, you can panel-mount the handheld programmer in a 1/8DIN standard panel cutout to give local display of the measured variable. The programmer connects to the transmitter with the supplied 2m of coiled 4 core cable, or you can make up your own cable to suit your installation.

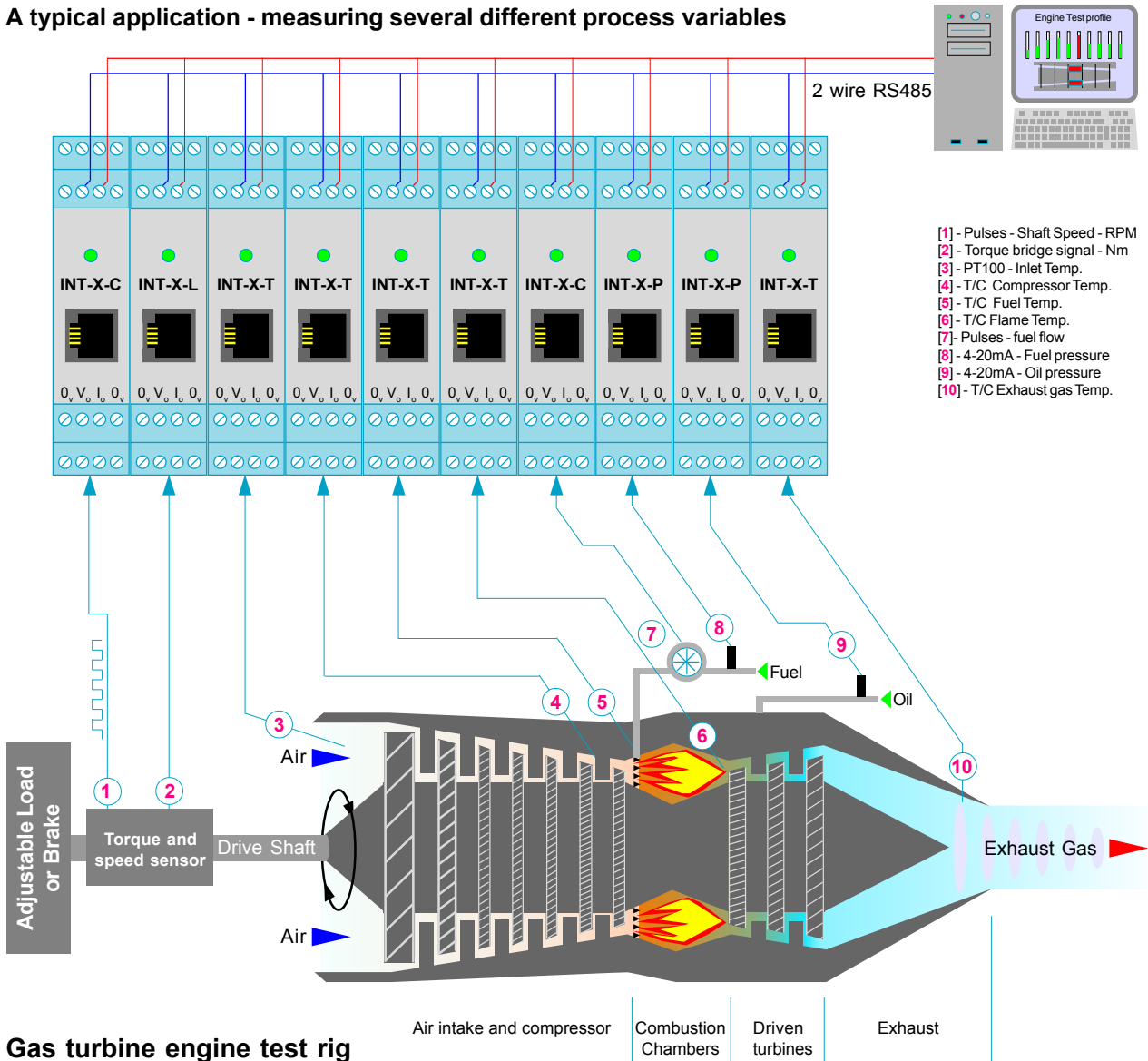


Model	Function	Description
INT-X-P	Process Signal inputs - scalable Isolated outputs 4-20mA, 0-10V and RS485	4-20mA, 1-5V, 0-10V etc. Accuracy 0.1% ,+/- 1 count Provides regulated 24V@30mA for 2 wire transmitters.
INT-X-L	Loadcells and bridge inputs - scalable Isolated outputs 4-20mA, 0-10V and RS485	4 or 6 wire loadcell bridge input. Excitation for up to 4 cells each 350 Ohms, in parallel.
INT-X-T	Temperature sensor inputs Isolated outputs 4-20mA, 0-10V and RS485	Types J,K,T,R,S,B and 3 wire PT100. 0.1 degree resolution Fully linearised for Centigrade and Fahrenheit.
INT-X-F	Pulse inputs - frequency and total - scalable Isolated outputs 4-20mA, 0-10V and RS485	Pulses from encoders, flowmeters, proximity sensors, turbine shafts etc. NPN, PNP, contact closure, 24V pulse.
XR4	Add-on 4 relay alarm unit	End stacked module gives 4 single pole changeover relay outputs. Rated 5A 250 VAC. HI, LO, hysteresis, in-flight.
XD	Handheld Programming Kit	Handheld Programmer and cable link
XSOFT	PC Programming kit using RS232 port	Software CD, cable and PC connector

If you need a simple and reliable way to monitor several different variables, the INT-X series offers an attractive and easily affordable solution. All measurements can be sent to the computer fully scaled in engineering units.

This is a typical engine test application, where 10 measurements are processed by the INT-X and fed to a central PC with RS485 data. You could use the 4-20mA or 0-10V analogue output instead, if your system uses analogue input ports.

A typical application - measuring several different process variables



Gas turbine engine test rig

The simple way to add local alarm and control relays to any measurement...

You can add an alarm module to each transmitter. Each alarm module has 4 SPDT relays, each rated 5A at up to 250 VAC.

You can set the alarms to trip above or below setpoints. Each alarm has its own deadband/hysteresis setting.

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|-----|-----------------------------------|
| AL1 | ■ Tank level alarm and control |
| AL2 | ■ Temperature alarm |
| AL3 | ■ Filling (inflight compensation) |
| AL4 | ■ Speed alarms |
| | ■ Batch control |
| | ■ Humidity alarm |

